Test Report
检测报告

Client Name:	ZHEJIANG NEWTON PACKING TECHNOLOGY CO., LTD.
客户名称：	浙江纽顿包装科技有限公司
Client Address:	NO. 777 HAIFENG ROAD, LONGSHAN TOWN, CIXI ECONOMIC DEVELOPMENT ZONE, CIXI CITY, ZHEJIANG PROVINCE
客户地址：	浙江省慈溪市龙山镇滨海经济开发区海丰路 777 号

Sample Name:	PET Straps
样品名称:	PET 打包带

The above sample(s) and information were provided by the client.
以上样品及信息由客户提供。

SGS Job No.:	NBP26-005248
SGS 工作编号:	NBP26-005248
Sample Receiving Date:	Jun 15, 2026
样品接收时间:	2026 年 06 月 15 日
Testing Period:	Jun 15, 2026 ~ Jun 22, 2026
检测周期:	2026 年 06 月 15 日 ~ 2026 年 06 月 22 日
Test Requested:	Select test(s) as requested by the client.
检测要求:	根据客户要求检测。
Test Method(s):	Please refer to next page(s).
检测方法:	见后续页。
Test Result(s):	Please refer to next page(s).
检测结果:	见后续页。

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd.
通标标准技术服务（宁波）有限公司
授权签字

Ashley Zhang

Ashley Zhang 张倩倩
Approved Signatory
批准签署人

Scan to see the report

10C23FC3

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，006幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Test Requirement 检测要求	Conclusion 结论
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) 欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-铅、汞、镉、六价铬、多溴联苯 (PBB)、多溴二苯醚 (PBDE)、邻苯二甲酸二(2-乙基己基)酯 (DEHP)、邻苯二甲酸丁苄酯 (BBP)、邻苯二甲酸二丁酯 (DBP)和邻苯二甲酸二异丁酯 (DIBP)	See Results 见检测结果
US Model Toxics in Packaging Legislation (TPCH – Toxics in Packaging Clearing House) – Phthalates content 美国包装材料法案中规定的有害物质（TPCH - 包装材料中有害物质）－邻苯二甲酸酯含量	Pass 符合
US Model Toxics in Packaging Legislation (TPCH-Toxics in Packaging Clearing House)-Perfluoroalkyl and polyfluoroalkyl substances (PFAS) Content 美国包装材料法案中规定的有害物质(TPCH - 包装材料中有害物质)-全氟和多氟烷基化合物(PFAS)含量	Pass 符合
US Model Toxics in Packaging Legislation (TPCH - Toxics in Packaging Clearing House) - Total Lead, Cadmium, Mercury and Hexavalent Chromium content 美国包装材料法案中规定的有害物质（TPCH - 包装材料中有害物质）－总铅、镉、汞和六价铬的含量	Pass 符合
Article 5(4) of Regulation (EU) 2025/40 (Packaging and Packaging Waste Regulation, PPWR) - Total Lead, Cadmium, Mercury and Hexavalent Chromium content 欧盟(EU) 2025/40 关于《包装和包装废弃物条例》(PPWR)指令章节 5(4)－总铅、镉、汞和六价铬的含量	Pass 符合
Article 5(5) of Regulation (EU) 2025/40 (Packaging and Packaging Waste Regulation, PPWR)-Total Fluorine 欧盟(EU) 2025/40 关于《包装和包装废弃物条例》(PPWR)指令章节 5(5)－总氟	Pass 符合
Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under US EPA Toxic Substances Control Act (TSCA) Section 6(h) 美国环保署有毒物质控制法 (TSCA) 第 6 (h)节规定的持久性、生物累积性和毒性 (PBT) 化学物质	Pass 符合
Article 5(5) of Regulation (EU) 2025/40 (Packaging and Packaging Waste Regulation, PPWR) - Perfluoroalkyl and polyfluoroalkyl substances (PFAS) Content 欧盟(EU) 2025/40 关于《包装和包装废弃物条例》(PPWR)指令章节 5(5)－全氟和多氟烷基化合物 (PFAS) 含量	Pass 符合

Test Result(s):
检测结果：

Test Part Description：
检测部件外观描述:

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SN ID 样品序号	Sample No. 样品编号	SGS Sample ID SGS 样品 ID	Description 样品描述
SN1	A1	NGB26-0049479-0001.C001	Green solid 绿色固体

Remarks:
(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

备注：
(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL= 方法检出限
(3) ND = 未检出(< MDL)
(4) "-" = 未规定

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)
欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-铅、汞、镉、六价铬、多溴联苯 (PBB)、多溴二苯醚 (PBDE)、邻苯二甲酸二(2-乙基己基)酯 (DEHP)、邻苯二甲酸丁苄酯 (BBP)、邻苯二甲酸二丁酯 (DBP)和邻苯二甲酸二异丁酯 (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017 and IEC 62321-12:2023, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.
检测方法： 参考 IEC 62321-4:2013+AMD1:2017，IEC 62321-5:2013，IEC 62321-7-2:2017 和 IEC 62321-12:2023，采用 ICP-OES/AAS，UV-Vis 和 GC-MS 进行分析。

Test Item(s) 检测项目	Limit 限值	Unit(s) 单位	MDL	A1
Lead (Pb) / 铅 (Pb)	1000	mg/kg	2	ND
Mercury (Hg) / 汞 (Hg)	1000	mg/kg	2	ND
Cadmium (Cd) / 镉 (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI)) / 六价铬 (Cr(VI))	1000	mg/kg	8	ND
Polybrominated biphenyls (PBB) / 多溴联苯之和 (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB) / 一溴联苯 (MonoBB)	-	mg/kg	25	ND
Dibrominated biphenyl (DiBB) / 二溴联苯 (DiBB)	-	mg/kg	25	ND
Tribrominated biphenyl (TriBB) / 三溴联苯 (TriBB)	-	mg/kg	25	ND
Tetrabrominated biphenyl (TetraBB) / 四溴联苯 (TetraBB)	-	mg/kg	25	ND

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services
SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Test Item(s) 检测项目	Limit 限值	Unit(s) 单位	MDL	A1
Pentabrominated biphenyl (PentaBB) / 五溴联苯 (PentaBB)	-	mg/kg	25	ND
Hexabrominated biphenyl (HexaBB) / 六溴联苯 (HexaBB)	-	mg/kg	25	ND
Heptabrominated biphenyl (HeptaBB) / 七溴联苯 (HeptaBB)	-	mg/kg	25	ND
Octabrominated biphenyl (OctaBB) / 八溴联苯 (OctaBB)	-	mg/kg	25	ND
Nonabrominated biphenyl (NonaBB) / 九溴联苯 (NonaBB)	-	mg/kg	25	ND
Decabrominated biphenyl (DecaBB) / 十溴联苯 (DecaBB)	-	mg/kg	25	ND
Polybrominated diphenyl ethers (PBDE) / 多溴二苯醚之和 (PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE) / 一溴二苯醚 (MonoBDE)	-	mg/kg	25	ND
Dibrominated diphenyl ether (DiBDE) / 二溴二苯醚 (DiBDE)	-	mg/kg	25	ND
Tribrominated diphenyl ether (TriBDE) / 三溴二苯醚 (TriBDE)	-	mg/kg	25	ND
Tetrabrominated diphenyl ether (TetraBDE) / 四溴二苯醚 (TetraBDE)	-	mg/kg	25	ND
Pentabrominated diphenyl ether (PentaBDE) / 五溴二苯醚 (PentaBDE)	-	mg/kg	25	ND
Hexabrominated diphenyl ether (HexaBDE) / 六溴二苯醚 (HexaBDE)	-	mg/kg	25	ND
Heptabrominated diphenyl ether (HeptaBDE) / 七溴二苯醚 (HeptaBDE)	-	mg/kg	25	ND
Octabrominated diphenyl ether (OctaBDE) / 八溴二苯醚 (OctaBDE)	-	mg/kg	25	ND
Nonabrominated diphenyl ether (NonaBDE) / 九溴二苯醚 (NonaBDE)	-	mg/kg	25	ND
Decabrominated diphenyl ether (DecaBDE) / 十溴二苯醚 (DecaBDE)	-	mg/kg	25	ND
Bis(2-ethylhexyl) phthalate (DEHP) / 邻苯二甲酸二(2-乙基己基)酯 (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP) / 邻苯二甲酸丁苄酯 (BBP)	1000	mg/kg	50	ND
Dibutyl Phthalate (DBP) / 邻苯二甲酸二丁酯 (DBP)	1000	mg/kg	50	ND
Diisobutyl Phthalate (DIBP) / 邻苯二甲酸二异丁酯 (DIBP)	1000	mg/kg	50	ND

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Notes:
(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
(2) IEC 62321 series is equivalent to EN 62321 series.
(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

备注：
(1) 最大允许极限值引用自 RoHS 指令(EU) 2015/863。
(2) IEC 62321 系列等同于 EN 62321 系列。
(3) 2021 年 7 月 22 号开始，DEHP， BBP， DBP 和 DIBP 的限制适用于医疗器械，包括体外医疗器械，监控仪表，包括工业监测和控制仪器。

US Model Toxics in Packaging Legislation (TPCH – Toxics in Packaging Clearing House) – Phthalates content
美国包装材料法案中规定的有害物质（TPCH - 包装材料中有害物质）—邻苯二甲酸酯含量

Test Method: With reference to CPSC-CH-C1001-09.4, analysis was performed by GC-MS.
检测方法： 参考 CPSC-CH-C1001-09.4 方法， 采用 GC-MS 进行分析。

Test Item(s) 检测项目	CAS No.	Limit 限值	Unit(s) 单位	MDL	A1
Dibutyl Phthalate (DBP) / 邻苯二甲酸二丁酯 (DBP)	84-74-2	-	mg/kg	50	ND
Benzylbutyl Phthalate (BBP) / 邻苯二甲酸丁苄酯 (BBP)	85-68-7	-	mg/kg	50	ND
Bis(2-ethylhexyl) Phthalate (DEHP) / 邻苯二甲酸二(2-乙基己基)酯 (DEHP)	117-81-7	-	mg/kg	50	ND
Diisononyl Phthalate (DINP) / 邻苯二甲酸二异壬酯 (DINP)	28553-12-0 /68515-48-0	-	mg/kg	50	ND
Di-n-octyl Phthalate (DNOP) / 邻苯二甲酸二正辛酯 (DNOP)	117-84-0	-	mg/kg	50	ND
Diisodecyl Phthalate (DIDP) / 邻苯二甲酸二异癸酯 (DIDP)	26761-40-0 /68515-49-1	-	mg/kg	50	ND
Di-n-hexyl Phthalate (DnHP) / 邻苯二甲酸二正己酯 (DnHP)	84-75-3	-	mg/kg	50	ND
Dimethyl Phthalate (DMP) / 邻苯二甲酸二甲酯 (DMP)	131-11-3	-	mg/kg	50	ND
Diethyl Phthalate (DEP) / 邻苯二甲酸二乙酯 (DEP)	84-66-2	-	mg/kg	50	ND
Dipropyl Phthalate (DPrP) / 邻苯二甲酸二丙酯 (DPrP)	131-16-8	-	mg/kg	50	ND
Diisobutyl Phthalate (DIBP) / 邻苯二甲酸二异丁酯 (DIBP)	84-69-5	-	mg/kg	50	ND

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Item(s) 检测项目	CAS No.	Limit 限值	Unit(s) 单位	MDL	A1
Di-n-pentylphthalate (DnPP) / 邻苯二甲酸二正戊酯 (DnPP)	131-18-0	-	mg/kg	50	ND
Dicyclohexyl Phthalate (DCHP) / 邻苯二甲酸二环己酯 (DCHP)	84-61-7	-	mg/kg	50	ND
Diisooctyl Phthalate (DIOP) / 邻苯二甲酸二异辛酯 (DIOP)	27554-26-3	-	mg/kg	50	ND
Bis (2-methoxyethyl) phthalate (DMEP) / 邻苯二甲酸二(2-甲氧基乙基)酯 (DMEP)	117-82-8	-	mg/kg	50	ND
Diisopentyl Phthalate (DIPP) / 邻苯二甲酸二异戊酯 (DIPP)	605-50-5	-	mg/kg	50	ND
n-pentyl Isopentyl Phthalate (nPIPP) / 邻苯二甲酸正戊基异戊基酯 (nPIPP)	776297-69-9	-	mg/kg	50	ND
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) / 邻苯二甲酸二(C6-8 支链)烷基酯(富 C7) (DIHP)	71888-89-6	-	mg/kg	50	ND
Diallyl Phthalate(DAP) / 邻苯二甲酸二丙烯酯(DAP)	131-17-9	-	mg/kg	50	ND
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) / 邻苯二甲酸二(C7-11 支链与直链)烷基(醇)酯 (DHNUP)	68515-42-4	-	mg/kg	50	ND
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (DPP) / 邻苯二甲酸二(支链与直链)戊基酯 (DPP)	84777-06-0	-	mg/kg	50	ND
1,2-benzenedicarboxylic acid, dihexyl ester branched and linear (DHP) / 邻苯二甲酸二(支链与直链)己基酯 (DHP)	68515-50-4	-	mg/kg	50	ND
Di-iso-hexylphthalate (DIHxP) / 邻苯二甲酸二异己酯(DIHxP)	71850-09-4	-	mg/kg	50	ND
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate / 1,2-苯二甲酸, 二(C6-10)烷基酯 / 1,2-苯二甲酸, 混合二己二辛二癸酯, 混合二己二辛二癸酯，其中邻苯二甲酸二己酯含量≥0.3%	68515-51-5 /68648-93-1	-	mg/kg	50	ND
Di(2-propylheptyl) Phthalate(DPHpP) / 邻苯二甲酸二(2-丙基庚基)酯(DPHpP)	53306-54-0	-	mg/kg	50	ND
Butyl phthalyl butyl glycolate (BPBG) / 邻苯二甲酸丁二醇酯(BPBG)	85-70-1	-	mg/kg	50	ND

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Item(s) 检测项目	CAS No.	Limit 限值	Unit(s) 单位	MDL	A1
Ethyl phthalyl ethyl glycolate (EPEG) / 邻苯二甲酰乙醇酸乙酯(EPEG)	84-72-0	-	mg/kg	50	ND
Total Phthalates / 邻苯二甲酸酯总和	-	100	mg/kg	-	ND
Conclusion / 结论					**Pass 符合**

Notes:
The TPCH defines ortho-phthalates as a class of chemical. There is no official list of ortho-phthalates from TPCH. Conclusion is made based on the tested Orthto-Phthalate substances which is agree by the client.

备注：
TPCH 将邻苯二甲酸酯定义为一类化学物质，但官方并没有给出邻苯二甲酸酯的清单。结论是根据客户同意所检测的邻苯二甲酸酯物质得出的。

US Model Toxics in Packaging Legislation (TPCH-Toxics in Packaging Clearing House)-Perfluoroalkyl and polyfluoroalkyl substances (PFAS) Content
美国包装材料法案中规定的有害物质(TPCH - 包装材料中有害物质)-全氟和多氟烷基化合物(PFAS)含量

Test Method: Modified EN 17681-1:2025, analysis was performed by LC-MS or LC-MS/MS and GC-MS or GC-MS/MS.
检测方法： 优化的 EN 17681-1:2025，采用 LC-MS 或 LC-MS/MS 和 GC-MS 或 GC-MS/MS 进行分析。

Test Item(s) 检测项目	CAS No.	Limit 限值	Unit(s) 单位	MDL	A1
PFOS, its salts PFOS, 及其盐					
Perfluorooctane sulfonic acid (PFOS), its salts^ / 全氟辛烷磺酸 (PFOS), 及其盐^	1763-23-1	Usage ban 禁用	mg/kg	1	ND
PFOS-related compounds PFOS 相关化合物					
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA) / N-乙基全氟辛烷磺酰胺 (N-EtFOSA)	4151-50-2	Usage ban 禁用	mg/kg	1	ND
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA) / N-甲基全氟辛烷磺酰胺 (N-MeFOSA)	31506-32-8	Usage ban 禁用	mg/kg	1	ND
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE) / 2-(N-乙基全氟辛基磺酰胺)乙醇 (N-EtFOSE)	1691-99-2	Usage ban 禁用	mg/kg	1	ND
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE) / 2-(N-甲基全氟辛基磺酰胺)乙醇 (N-MeFOSE)	24448-09-7	Usage ban 禁用	mg/kg	1	ND

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Test Item(s) 检测项目	CAS No.	Limit 限值	Unit(s) 单位	MDL	A1
Perfluorooctane Sulfonamide (PFOSA), its salts^ / 全氟辛基磺酰胺 (PFOSA), 及其盐^	754-91-6	Usage ban 禁用	mg/kg	1	ND
Perfluorooctane sulfonamidoacetic Acid (FOSAA), its salts^ / N-(全氟-1-辛烷磺酰基)甘氨酸 (FOSAA), 及其盐^	2806-24-8	Usage ban 禁用	mg/kg	1	ND
N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA), its salts^ / N-甲基-N-(全氟-1-辛烷磺酰基)甘氨酸 (N-MeFOSAA), 及其盐^	2355-31-9	Usage ban 禁用	mg/kg	1	ND
N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA), its salts^ / N-乙基-N-(全氟-1-辛烷磺酰基)甘氨酸 (N-EtFOSAA), 及其盐^	2991-50-6	Usage ban 禁用	mg/kg	1	ND
2-(N-ethylperfluorooctanesulfamido) ethyl acrylate (EtFOSAC) / 2-(N-乙基全氟辛烷磺酰胺基)丙烯酸乙酯 (EtFOSAC)	423-82-5	Usage ban 禁用	mg/kg	1	ND
Sum of PFOS-related compounds / PFOS 相关化合物总和	-	Usage ban 禁用	mg/kg	-	ND
PFOA, its salts PFOA, 及其盐					
Perfluorooctanoic acid (PFOA), its salts^ / 全氟辛酸 (PFOA), 及其盐^	335-67-1	Usage ban 禁用	mg/kg	1	ND
PFOA-related compounds PFOA 相关化合物					
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS), its salts^ / 1H,1H,2H,2H-全氟癸烷磺酸 (8:2 FTS), 及其盐^	39108-34-4	Usage ban 禁用	mg/kg	1	ND
Methyl perfluorooctanoate (Me-PFOA) / 全氟辛酸甲酯 (Me-PFOA)	376-27-2	Usage ban 禁用	mg/kg	1	ND
Ethyl perfluorooctanoate (Et-PFOA) / 全氟辛酸乙酯 (Et-PFOA)	3108-24-5	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) / 1H,1H,2H,2H-全氟癸基丙烯酸酯 (8:2 FTA)	27905-45-9	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA) / 1H,1H,2H,2H-甲基丙烯酸全氟癸酯 (8:2 FTMA)	1996-88-9	Usage ban 禁用	mg/kg	1	ND
Perfluoro-1-iodooctane (PFOI) / 全氟辛基碘烷 (PFOI)	507-63-1	Usage ban 禁用	mg/kg	1	ND
2H,2H-Perfluorodecane Acid (8:2 FTCA), its salts^ / 2H,2H-全氟癸酸 (8:2 FTCA), 及其盐^	27854-31-5	Usage ban 禁用	mg/kg	1	ND

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Item(s) 检测项目	CAS No.	Limit 限值	Unit(s) 单位	MDL	A1
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH) / 1H,1H,2H,2H-全氟-1-癸醇 (8:2 FTOH)	678-39-7	Usage ban 禁用	mg/kg	1	ND
1-Iodo-1H,1H,2H,2H-perfluorodecane (8:2 FTI) / 1-碘-1H,1H,2H,2H-全氟癸烷 (8:2 FTI)	2043-53-0	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 FTSi(OC_2H_5)$_3$) / 1H,1H,2H,2H-全氟癸基三乙氧基硅烷 (8:2 FTSi(OC_2H_5)$_3$)	101947-16-4	Usage ban 禁用	mg/kg	1	ND
bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP), its salts ^ / 双[2-(全氟辛基)]乙基磷酸酯 (8:2 diPAP), 及其盐^	678-41-1	Usage ban 禁用	mg/kg	1	ND
2H,2H,3H,3H-Perfluoroundecanoic Acid (8:3 FTCA), its salts^ / 2H,2H,3H,3H-全氟十一烷酸 (8:3 FTCA), 及其盐^	34598-33-9	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H-Heptadecafluoro-1-decene (PFDE) / 全氟辛基乙烯 (PFDE)	21652-58-4	Usage ban 禁用	mg/kg	1	ND
3-Perfluoroheptyl propanoic acid (7:3 FTCA) / 3-全氟庚基丙酸 (7:3 FTCA)	812-70-4	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorodecyltrichlorosilane (8:2 FTSiCl_3)/ 1H,1H,2H,2H-Perfluorodecyltrimethoxysilane (8:2 FTSi(OCH_3)$_3$) / 1H,1H,2H,2H-全氟癸基三氯硅烷 (8:2 FTSiCl_3)/ 1H,1H,2H,2H-全氟癸基三甲氧基硅烷 (8:2 FTSi(OCH_3)$_3$)	78560-44-8 /83048-65-1	Usage ban 禁用	mg/kg	1	ND
2H-Perfluoro-2-decenoic acid (8:2 FTUCA) / 2H-全氟-2-癸烯酸 (8:2 FTUCA)	70887-84-2	Usage ban 禁用	mg/kg	1	ND
6:8 Perfluorophosphinic acid (6:8 PFPi) / 6:8 全氟次膦酸 (6:8 PFPi)	610800-34-5	Usage ban 禁用	mg/kg	1	ND
8:8 Perfluorophosphinic acid (8:8 PFPi), its salts^ / 8:8 全氟次膦酸 (8:8 PFPi), 及其盐^	40143-79-1	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-perfluorodecyl acetate (8:2 FTOAc) / 1H,1H,2H,2H-全氟十二烷基乙酸酯 (8:2 FTOAc)	37858-04-1	Usage ban 禁用	mg/kg	1	ND
8:2 Fluorotelomer phosphate monoester (8:2 monoPAP), its salts^ / 单[2-(全氟辛基)乙基]磷酸盐 (8:2 monoPAP), 及其盐^	57678-03-2	Usage ban 禁用	mg/kg	1	ND

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层6区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Test Item(s) 检测项目	CAS No.	Limit 限值	Unit(s) 单位	MDL	A1
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH) / 1H,1H,2H,2H-全氟-1-十二烷醇 (10:2 FTOH)	865-86-1	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH) / 1,1,2,2-四氢全氟-1-十四醇 (12:2 FTOH)	39239-77-5	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS), its salts^ / 1H,1H,2H,2H-全氟十二烷磺酸 (10:2 FTS), 及其盐^	120226-60-0	Usage ban 禁用	mg/kg	1	ND
10:2 Fluorotelomer phosphate diester (10:2 diPAP), its salts^ / 双[2-(全氟癸基)乙基]磷酸盐 (10:2 diPAP), 及其盐^	1895-26-7	Usage ban 禁用	mg/kg	1	ND
2H-Perfluoro-2-dodecenoic acid (10:2 FTUCA) / 2H-全氟-2-十二烯酸 (10:2 FTUCA)	70887-94-4	Usage ban 禁用	mg/kg	1	ND
2-Perfluorodecyl ethanoic acid (10:2 FTCA) / 2-全氟癸基乙酸 (10:2 FTCA)	53826-13-4	Usage ban 禁用	mg/kg	1	ND
10:2 Fluorotelomer phosphate monoester (10:2 monoPAP), its salts^ / 单[2-(全氟癸基)乙基]磷酸酯 (10:2 monoPAP), 及其盐^	57678-05-4	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA) / 1H,1H,2H,2H-全氟十二烷基丙烯酸酯 (10:2 FTA)	17741-60-5	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA) / 1H,1H,2H,2H-全氟十二烷基甲基丙烯酸酯 (10:2 FTMA)	2144-54-9	Usage ban 禁用	mg/kg	1	ND
1,1,2,2-Tetrahydroperfluorododecyl iodide (10:2 FTI) / 全氟癸基乙基碘 (10:2 FTI)	2043-54-1	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI) / 1H,1H,2H,2H-全氟十四烷基碘 (12:2 FTI)	30046-31-2	Usage ban 禁用	mg/kg	1	ND
Perfluorodecyl iodide (PFDI) / 1-碘全氟癸烷 (PFDI)	423-62-1	Usage ban 禁用	mg/kg	1	ND
Perfluorododecyl iodide (PFDoDI) / 全氟碘代十二烷 (PFDoDI)	307-60-8	Usage ban 禁用	mg/kg	1	ND
Sum of PFOA-related compounds / PFOA 相关化合物总和	-	Usage ban 禁用	mg/kg	-	ND
C9-C21 including C9-C14 PFCA, their salts C9-C21 (包含 C9-C14) PFCA, 及其盐					
Perfluorononane Acid (PFNA), its salts^ / 全氟壬酸 (PFNA), 及其盐^	375-95-1	Usage ban 禁用	mg/kg	1	ND

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Item(s) 检测项目	CAS No.	Limit 限值	Unit(s) 单位	MDL	A1
Perfluorodecane Acid (PFDA), its salts^ / 全氟癸酸 (PFDA), 及其盐^	335-76-2	Usage ban 禁用	mg/kg	1	ND
Perfluoroundecanoic Acid (PFUnDA), its salts^ / 全氟十一烷酸 (PFUnDA), 及其盐^	2058-94-8	Usage ban 禁用	mg/kg	1	ND
Perfluorododecanoic Acid (PFDoDA), its salts^ / 全氟十二烷酸 (PFDoDA), 及其盐^	307-55-1	Usage ban 禁用	mg/kg	1	ND
Perfluorotridecanoic Acid (PFTrDA), its salts^ / 全氟十三烷酸 (PFTrDA), 及其盐^	72629-94-8	Usage ban 禁用	mg/kg	1	ND
Perfluorotetradecanoic Acid (PFTDA), its salts^ / 全氟十四烷酸 (PFTDA), 及其盐^	376-06-7	Usage ban 禁用	mg/kg	1	ND
Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA) / 全氟-3, 7-二甲基辛酸 (PF-3, 7-DMOA)	172155-07-6	Usage ban 禁用	mg/kg	1	ND
Sum of C9-C14 PFCA, their salts / C9-C14 PFCA 及其盐总和	-	Usage ban 禁用	mg/kg	-	ND
Pentadecanoic acid, nonacosafluoro (PFPeDA), its salts^ / 全氟十五烷酸 (PFPeDA), 及其盐^	141074-63-7	Usage ban 禁用	mg/kg	1	ND
Perfluorohexadecanoic Acid (PFHxDA), its salts^ / 全氟十六烷酸 (PFHxDA), 及其盐^	67905-19-5	Usage ban 禁用	mg/kg	1	ND
Perfluoroheptadecanoic acid (PFHpDA) / 全氟十七烷酸 (PFHpDA)	57475-95-3	Usage ban 禁用	mg/kg	1	ND
Perfluorooctadecanoic Acid (PFODA), its salts^ / 全氟十八烷酸 (PFODA), 及其盐^	16517-11-6	Usage ban 禁用	mg/kg	1	ND
Perfluorononadecanoic acid (PFNDA) / 全氟十九烷酸 (PFNDA)	133921-38-7	Usage ban 禁用	mg/kg	1	ND
Eicosanoic acid, nonatriacontafluoro (C_{20} PFCA) / 全氟二十烷酸 (C_{20} PFCA)	68310-12-3	Usage ban 禁用	mg/kg	1	ND
Perfluoroheneicosanoic acid (C_{21} PFCA) / 全氟二十一烷酸 (C_{21} PFCA)	2920913-30-8	Usage ban 禁用	mg/kg	1	ND
Sum of C9-C21 PFCA, their salts / C9-C21 PFCA 及其盐总和	-	Usage ban 禁用	mg/kg	-	ND
C9-C21 including C9-C14 PFCA-related substances C9-C21 (包含 C9-C14) PFCA 相关物质					
Perfluorodecane sulfonic acid (PFDS), its salts^ / 全氟癸烷磺酸 (PFDS), 及其盐^	335-77-3	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH) / 1H,1H,2H,2H-全氟-1-十二烷醇 (10:2 FTOH)	865-86-1	Usage ban 禁用	mg/kg	1	ND

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Item(s) 检测项目	CAS No.	Limit 限值	Unit(s) 单位	MDL	A1
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA) / 1H,1H,2H,2H-全氟十二烷基丙烯酸酯 (10:2 FTA)	17741-60-5	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA) / 1H,1H,2H,2H-全氟十二烷基甲基丙烯酸酯 (10:2 FTMA)	2144-54-9	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH) / 1,1,2,2-四氢全氟-1-十四醇 (12:2 FTOH)	39239-77-5	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS), its salts^ / 1H,1H,2H,2H-全氟十二烷磺酸 (10:2 FTS), 及其盐^	120226-60-0	Usage ban 禁用	mg/kg	1	ND
1,1,2,2-Tetrahydroperfluorododecyl iodide (10:2 FTI) / 全氟癸基乙基碘 (10:2 FTI)	2043-54-1	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI) / 1H,1H,2H,2H-全氟十四烷基碘 (12:2 FTI)	30046-31-2	Usage ban 禁用	mg/kg	1	ND
Perfluorononane sulfonic acid (PFNS), its salts^ / 全氟壬烷磺酸 (PFNS), 及其盐^	68259-12-1	Usage ban 禁用	mg/kg	1	ND
Perfluoroundecane sulfonic acid (PFUnDS), its salts^ / 全氟十一烷磺酸 (PFUnDS), 及其盐^	749786-16-1	Usage ban 禁用	mg/kg	1	ND
Perfluorododecane sulfonic acid (PFDoDS), its salts^ / 全氟十二烷磺酸 (PFDoDS), 及其盐^	79780-39-5	Usage ban 禁用	mg/kg	1	ND
Perfluorotridecane sulfonic acid (PFTrDS), its salts^ / 全氟十三烷磺酸 (PFTrDS), 及其盐^	791563-89-8	Usage ban 禁用	mg/kg	1	ND
10:2 Fluorotelomer phosphate diester (10:2 diPAP), its salts^ / 双[2-(全氟癸基)乙基]磷酸盐 (10:2 diPAP), 及其盐^	1895-26-7	Usage ban 禁用	mg/kg	1	ND
Perfluorodecyl iodide (PFDI) / 1-碘全氟癸烷 (PFDI)	423-62-1	Usage ban 禁用	mg/kg	1	ND
Perfluorododecyl iodide (PFDoDI) / 全氟碘代十二烷 (PFDoDI)	307-60-8	Usage ban 禁用	mg/kg	1	ND
2H-Perfluoro-2-dodecenoic acid (10:2 FTUCA) / 2H-全氟-2-十二烯酸 (10:2 FTUCA)	70887-94-4	Usage ban 禁用	mg/kg	1	ND
2-Perfluorodecyl ethanoic acid (10:2 FTCA) / 2-全氟癸基乙酸 (10:2 FTCA)	53826-13-4	Usage ban 禁用	mg/kg	1	ND

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Item(s) 检测项目	CAS No.	Limit 限值	Unit(s) 单位	MDL	A1
1H,1H,2H,2H-perfluorododecyl acetate (10:2 FTOAc) / 1H,1H,2H,2H-全氟癸基乙酸酯 (10:2 FTOAc)	37858-05-2	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS), its salts^ / 1H,1H,2H,2H-全氟癸烷磺酸 (8:2 FTS), 及其盐^	39108-34-4	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) / 1H,1H,2H,2H-全氟癸基丙烯酸酯 (8:2 FTA)	27905-45-9	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA) / 1H,1H,2H,2H-甲基丙烯酸全氟癸酯 (8:2 FTMA)	1996-88-9	Usage ban 禁用	mg/kg	1	ND
2H,2H-Perfluorodecane Acid (8:2 FTCA), its salts^ / 2H,2H-全氟癸酸 (8:2 FTCA), 及其盐^	27854-31-5	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH) / 1H,1H,2H,2H-全氟-1-癸醇 (8:2 FTOH)	678-39-7	Usage ban 禁用	mg/kg	1	ND
1-Iodo-1H,1H,2H,2H-perfluorodecane (8:2 FTI) / 1-碘-1H,1H,2H,2H-全氟癸烷 (8:2 FTI)	2043-53-0	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 FTSi(OC_2H_5)$_3$) / 1H,1H,2H,2H-全氟癸基三乙氧基硅烷 (8:2 FTSi(OC_2H_5)$_3$)	101947-16-4	Usage ban 禁用	mg/kg	1	ND
bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP), its salts^ / 双[2-(全氟辛基)]乙基磷酸酯 (8:2 diPAP), 及其盐^	678-41-1	Usage ban 禁用	mg/kg	1	ND
2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA), its salts^ / 2H,2H,3H,3H-全氟十一烷酸 (8:3 FTCA), 及其盐^	34598-33-9	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H-Heptadecafluoro-1-decene (PFDE) / 全氟辛基乙烯 (PFDE)	21652-58-4	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorodecyltrichlorosilane (8:2 FTSiCl_3)/ 1H,1H,2H,2H-Perfluorodecyltrimethoxysilane (8:2 FTSi(OCH_3)$_3$) / 1H,1H,2H,2H-全氟癸基三氯硅烷 (8:2 FTSiCl_3)/ 1H,1H,2H,2H-全氟癸基三甲氧基硅烷 (8:2 FTSi(OCH_3)$_3$)	78560-44-8 /83048-65-1	Usage ban 禁用	mg/kg	1	ND

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Item(s) 检测项目	CAS No.	Limit 限值	Unit(s) 单位	MDL	A1
1H,1H,2H,2H-perfluorodecyl acetate (8:2 FTOAc) / 1H,1H,2H,2H-全氟十二烷基乙酸酯 (8:2 FTOAc)	37858-04-1	Usage ban 禁用	mg/kg	1	ND
8:2 Fluorotelomer phosphate monoester (8:2 monoPAP), its salts^ / 单[2-(全氟辛基)乙基]磷酸盐 (8:2 monoPAP), 及其盐^	57678-03-2	Usage ban 禁用	mg/kg	1	ND
10:2 Fluorotelomer phosphate monoester (10:2 monoPAP), its salts^ / 单[2-(全氟癸基)乙基]磷酸酯 (10:2 monoPAP), 及其盐^	57678-05-4	Usage ban 禁用	mg/kg	1	ND
2H-Perfluoro-2-decenoic acid (8:2 FTUCA) / 2H-全氟-2-癸烯酸 (8:2 FTUCA)	70887-84-2	Usage ban 禁用	mg/kg	1	ND
((Perfluorooctyl)ethyl)phosphonic acid / ((全氟辛基)乙基)膦酸	80220-63-9	Usage ban 禁用	mg/kg	1	ND
Sum of C9-C14/C9-C21 PFCA-related substances / C9-C14/C9-C21 PFCA 相关物质的总和	-	Usage ban 禁用	mg/kg	-	ND
PFHxS, its salts PFHxS, 及其盐					
Perfluorohexanesulfonic acid (PFHxS), its salts^ / 全氟己基磺酸 (PFHxS), 及其盐^	355-46-4	Usage ban 禁用	mg/kg	1	ND
PFHxS-related compounds PFHxS 相关化合物					
N-Methylperfluoro-1-hexanesulfonamide (N-Me-PFHxSA) / N-甲基全氟-1-己磺酰胺 (N-Me-PFHxSA)	68259-15-4	Usage ban 禁用	mg/kg	1	ND
Perfluorohexane sulfonamide (PFHxSA) / 全氟己烷磺酰胺 (PFHxSA)	41997-13-1	Usage ban 禁用	mg/kg	1	ND
N-[3-(dimethylamino)propyl] tridecafluorohexanesulphonamide (N-AP-FHxSA) / N-[3-(二甲基氨基)丙基]十三氟己磺酰胺 (N-AP-FHxSA)	50598-28-2	Usage ban 禁用	mg/kg	1	ND
2-[methyl[(tridecafluorohexyl) sulphonyl]amino]ethyl acrylate)) (N-MeFHSEA) / 2-[甲基[(十三氟己基)磺酰基]氨基]丙烯酸乙酯 (N-MeFHSEA)	67584-57-0	Usage ban 禁用	mg/kg	1	ND
2-Propenoic acid, 2-methyl-, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester / 2-[甲基[(十三氟己基)磺酰基]氨基]乙基甲基丙烯酸酯	67584-61-6	Usage ban 禁用	mg/kg	1	ND
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl	67906-70-1	Usage ban 禁用	mg/kg	1	ND

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Test Item(s) 检测项目	CAS No.	Limit 限值	Unit(s) 单位	MDL	A1
ester / 2-[乙基[(十三氟己基)磺酰基]氨基]乙基甲基丙烯酸酯					
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-methyl-(MeFHxSE) / 十三氟-N-(2-羟基乙基)-N-甲基己烷磺酰胺 (MeFHxSE)	68555-75-9	Usage ban 禁用	mg/kg	1	ND
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl] (EtFHxSAA), its salts^ / N-乙基-N-[(十三氟己基)磺酰基]甘氨酸(EtFHxSAA), 及其盐	68957-32-4	Usage ban 禁用	mg/kg	1	ND
Sum of PFHxS-related compounds / PFHxS 相关化合物总和	-	Usage ban 禁用	mg/kg	-	ND
PFHxA, its salts PFHxA, 及其盐					
Perfluorohexane Acid (PFHxA), its salts^ / 全氟己酸 (PFHxA), 及其盐^	307-24-4	Usage ban 禁用	mg/kg	1	ND
PFHxA-related substances PFHxA 相关物质					
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH) / 1H,1H,2H,2H-全氟-1-辛醇 (6:2 FTOH)	647-42-7	Usage ban 禁用	mg/kg	1	ND
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-iodooctane (6:2 FTI) / 1-碘-1H,1H,2H,2H-全氟辛烷 (6:2 FTI)	2043-57-4	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorooctyl methacrylate (6:2 FTMA) / 1H,1H,2H,2H-全氟辛基甲基丙烯酸酯 (6:2 FTMA)	2144-53-8	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA) / 1H,1H,2H,2H-全氟辛基丙烯酸酯 (6:2 FTA)	17527-29-6	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorooctanesulphonic acid (6:2 FTS), its salts^ / 1H,1H,2H,2H-全氟辛磺酸 (6:2 FTS), 及其盐^	27619-97-2	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorooctyltriethoxysilane (6:2 FTSi(OC_2H_5)$_3$) / 全氟辛基三乙氧基硅烷 (6:2 FTSi(OC_2H_5)$_3$)	51851-37-7	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorooctyltrichlorosilane (6:2 FTSiCl_3) / 1H,1H,2H,2H-Perfluorooctyltrimethoxysilane (6:2 FTSi(OCH_3)$_3$) / 1H,1H,2H,2H-全氟辛基三氯硅烷 (6:2 FTSiCl_3) /	78560-45-9 /85857-16-5	Usage ban 禁用	mg/kg	1	ND

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Item(s) 检测项目	CAS No.	Limit 限值	Unit(s) 单位	MDL	A1
1H,1H,2H,2H-全氟辛基三甲氧基硅烷 (6:2 FTSi(OCH_3)$_3$)					
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-6-iodohexane (PFHx-I) / 1,1,1,2,2,3,4,5,6,6-三氟-6-碘己烷 (PFHx-I)	355-43-1	Usage ban 禁用	mg/kg	1	ND
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-iodononane / 1,1,1,2,2,3,4,5,6,6-三氟-8-碘酮	38550-34-4	Usage ban 禁用	mg/kg	1	ND
N-[3-(dimethylamino)propyl]-3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctanesulphonamide n-oxide / N-[3-(二甲氨基)丙基]-3,3,4,4,5,5,6,6,7,7,8,8,8-十三氟辛烷磺酰胺 N-氧化物	80475-32-7	Usage ban 禁用	mg/kg	1	ND
thiocyanic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester / 3,3,4,4,5,5,6,7,8,8-三氟辛酯硫氰酸	26650-09-9	Usage ban 禁用	mg/kg	1	ND
6:2 Fluorotelomer phosphate monoester (6:2 monoPAP), its salts^ / 6:2 磷酸氟调聚物单酯 (6:2 monoPAP), 及其盐^	57678-01-0	Usage ban 禁用	mg/kg	1	ND
2h,2h,3h,3h-perfluorononanoic acid (6:3 FTCA) / 2H,2H,3H,3H-全氟壬酸 (6:3 FTCA)	27854-30-4	Usage ban 禁用	mg/kg	1	ND
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctane-1-thiol (6:2 FTSH) / 3,3,4,4,5,6,7,7,8,8,8-三氟辛烷-1-硫醇 (6:2 FTSH)	34451-26-8	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorooctyldimethylchlorosilane (6:2 FTSiMe_2Cl) / 1H,1H,2H,2H-全氟辛基二甲基氯硅烷 (6:2 FTSiMe_2Cl)	102488-47-1	Usage ban 禁用	mg/kg	1	ND
1H,1H-Tridecafluoro-1-iodoheptane (6:1 FTI) / 1H,1H-三氟-1-碘庚烷 (6:1 FTI)	212563-43-4	Usage ban 禁用	mg/kg	1	ND
4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl iodide (6:3 FTI) / 4,4,5,5,6,7,8,9,9,9-三氟壬基碘化物 (6:3 FTI)	89889-20-3	Usage ban 禁用	mg/kg	1	ND
Perfluorohexyl ethylphosphonic acid (6:2 FTPA), its salts^ / 全氟己基乙基膦酸 (6:2 FTPA), 及其盐^	252237-40-4	Usage ban 禁用	mg/kg	1	ND
1-hexanol, 2,2,3,3,4,4,5,5,6,6,6-undecafluoro- (5:1 FTOH) / 十一氟正己烷-1-醇 (5:1 FTOH)	423-46-1	Usage ban 禁用	mg/kg	1	ND

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Item(s) 检测项目	CAS No.	Limit 限值	Unit(s) 单位	MDL	A1
2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptan-1-ol (6:1 FTOH) / 1H,1H-全氟庚-1-醇 (6:1 FTOH)	375-82-6	Usage ban 禁用	mg/kg	1	ND
4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononan-1-ol (6:3 FTOH) / 3-全氟己基丙醇 (6:3 FTOH)	80806-68-4	Usage ban 禁用	mg/kg	1	ND
3,3,4,4,5,5,6,6,7,7,7-undecafluoro-2-heptanol (5:2 sFTOH) / 3,3,4,4,5,6,7,7,7-二十氟庚烷-2-醇 (5:2 sFTOH)	914637-05-1	Usage ban 禁用	mg/kg	1	ND
1-(perfluorohexyl)octane (F_6H_8) / 1-(全氟己基)辛烷 (F_6H_8)	133331-77-8	Usage ban 禁用	mg/kg	1	ND
1H,1H-Tridecafluoroheptylamine (6:1 $FTNH_2$) / 1H,1H-三氟庚胺 (6:1 $FTNH_2$)	423-49-4	Usage ban 禁用	mg/kg	1	ND
2H-Perfluoro-2-octenoic acid (6:2 FTUCA) / 2H-全氟-2-辛烯酸 (6:2 FTUCA)	70887-88-6	Usage ban 禁用	mg/kg	1	ND
6:6 Perfluorophosphinic acid (6:6 PFPi), its salts^ / 6:6 全氟次膦酸 (6:6 PFPi), 及其盐^	40143-77-9	Usage ban 禁用	mg/kg	1	ND
6:8 Perfluorophosphinic acid (6:8 PFPi) / 6:8 全氟次膦酸 (6:8 PFPi)	610800-34-5	Usage ban 禁用	mg/kg	1	ND
2-Perfluorohexyl ethanoic acid (6:2 FTCA) / 2-全氟己基乙酸 (6:2 FTCA)	53826-12-3	Usage ban 禁用	mg/kg	1	ND
3-Perfluoropentyl propanoic acid (5:3 FTCA), its salts^ / 3-全氟戊基丙酸 (5:3 FTCA), 及其盐^	914637-49-3	Usage ban 禁用	mg/kg	1	ND
N-(4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononyl)iodoacetamide / N-(4,4,5,5,6,6,7,7,8,8,9,9,9-十三氟壬基)碘乙酰胺	852527-50-5	Usage ban 禁用	mg/kg	1	ND
Sum of PFHxA-related substances / PFHxA 相关物质总和	-	Usage ban 禁用	mg/kg	-	ND
Other PFAS 其它 PFAS					
Perfluoroheptanamide ($PFHpA-NH_2$) / 全氟庚酰胺 ($PFHpA-NH_2$)	2358-22-7	Usage ban 禁用	mg/kg	1	ND
Perfluorobutane Acid (PFBA), its salts^ / 全氟丁酸 (PFBA), 及其盐^	375-22-4	Usage ban 禁用	mg/kg	1	ND
Perfluorobutanesulfonic acid (PFBS), its salts^ / 全氟丁磺酸 (PFBS), 及其盐^	375-73-5	Usage ban 禁用	mg/kg	1	ND
Perfluoropentane Acid (PFPeA), its salts^ / 全氟戊酸 (PFPeA), 及其盐^	2706-90-3	Usage ban 禁用	mg/kg	1	ND
Perfluoroheptane Acid (PFHpA), its salts^ / 全氟庚酸 (PFHpA), 及其盐^	375-85-9	Usage ban 禁用	mg/kg	1	ND

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Item(s) 检测项目	CAS No.	Limit 限值	Unit(s) 单位	MDL	A1
Perfluoroheptanesulfonic Acid (PFHpS), its salts^ / 全氟庚烷磺酸 (PFHpS), 及其盐^	375-92-8	Usage ban 禁用	mg/kg	1	ND
7H-Dodecanefluoroheptane Acid (HPFHpA), its salts^ / 7H-十二氟庚酸 (HPFHpA), 及其盐^	1546-95-8	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH) / 1H,1H,2H,2H-全氟-1-己醇 (4:2 FTOH)	2043-47-2	Usage ban 禁用	mg/kg	1	ND
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid (HFPO-DA), its salts^ / 2,3,3,3-四氟-2-(七氟丙氧基)丙酸 (HFPO-DA), 及其盐^	13252-13-6	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS), its salts^ / 1H,1H,2H,2H-全氟己烷磺酸 (4:2 FTS), 及其盐^	757124-72-4	Usage ban 禁用	mg/kg	1	ND
Perfluoropentane sulfonic acid (PFPeS), its salts^ / 全氟戊磺酸 (PFPeS), 及其盐^	2706-91-4	Usage ban 禁用	mg/kg	1	ND
4,8-Dioxa-3H-perfluorononanoic acid (ADONA), its salts^ / 4, 8-二氧-3H-全氟壬酸 (ADONA), 及其盐^	919005-14-4	Usage ban 禁用	mg/kg	1	ND
Perfluoro-3-methoxypropanoic acid (PFMPA), its salts^ / 全氟-3-甲氧基丙酸 (PFMPA), 及其盐^	377-73-1	Usage ban 禁用	mg/kg	1	ND
Perfluoro-4-methoxybutanoic acid (PFMBA) / 全氟-4-甲氧基丁酸 (PFMBA)	863090-89-5	Usage ban 禁用	mg/kg	1	ND
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) / 全氟-3, 6-二氧杂庚酸 (NFDHA)	151772-58-6	Usage ban 禁用	mg/kg	1	ND
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF_3ONS), its salts^ / 9-氯十六氟-3-氧代壬烷-1-磺酸 (9Cl-PF_3ONS), 及其盐^	756426-58-1	Usage ban 禁用	mg/kg	1	ND
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF_3OUdS), its salts^ / 11-氯二十碳氟-3-氧十一烷-1-磺酸 (11Cl-PF_3OUdS), 及其盐^	763051-92-9	Usage ban 禁用	mg/kg	1	ND
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA), its salts^ / 全氟(2-乙氧基乙烷)磺酸 (PFEESA), 及其盐^	113507-82-7	Usage ban 禁用	mg/kg	1	ND
3-Perfluoropropyl propanoic acid (3:3 FTCA), its salts^ / 3-全氟丙基丙酸 (3:3 FTCA), 及其盐^	356-02-5	Usage ban 禁用	mg/kg	1	ND

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Test Item(s) 检测项目	CAS No.	Limit 限值	Unit(s) 单位	MDL	A1
1H,1H,2H,2H-Perfluorohexyl methacrylate (4:2 FTMA) / 1H,1H,2H,2H-全氟己基甲基丙烯酸酯 (4:2 FTMA)	1799-84-4	Usage ban 禁用	mg/kg	1	ND
Perfluorobutane sulfonamides (PFBSA), its salts^ / 九氟丁烷磺酰胺 (PFBSA), 及其盐^	30334-69-1	Usage ban 禁用	mg/kg	1	ND
1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulphonamide (PFBS-NC_3H_8O) / N-(2-羟乙基)-N-甲基全氟丁烷磺酰胺 (PFBS-NC_3H_8O)	34454-97-2	Usage ban 禁用	mg/kg	1	ND
11H-Perfluoroundecanoic acid (11H-PFUnDA), its salts^ / 11H-全氟十一烷酸 (11H-PFUnDA), 及其盐^	1765-48-6	Usage ban 禁用	mg/kg	1	ND
Pentafluoropropionic acid (PFPrA), its salts^ / 五氟丙酸 (PFPrA), 及其盐^	422-64-0	Usage ban 禁用	mg/kg	1	ND
Hexafluoropropylene oxide trimer acid (HFPO-TA), its salts^ / 全氟-2,5-二甲基-3,6-二氧杂壬酸 (HFPO-TA), 及其盐^	13252-14-7	Usage ban 禁用	mg/kg	1	ND
Perfluoroethane sulfonic acid (PFEtS), its salts^ / 全氟乙烷磺酸 (PFEtS), 及其盐^	354-88-1	Usage ban 禁用	mg/kg	1	ND
6:2 Fluorotelomer phosphate diester (6:2 diPAP), its salts^ / 双[2-(全氟己基)乙基]磷酸盐 (6:2 diPAP), 及其盐^	57677-95-9	Usage ban 禁用	mg/kg	1	ND
Bis(trifluoromethane)sulfonimide (TFSI), its salts^ / 双(三氟甲烷)磺酰亚胺 (TFSI), 及其盐^	82113-65-3	Usage ban 禁用	mg/kg	1	ND
Trifluoromethane sulfonic acid (TFMS), its salts^ / 三氟甲磺酸 (TFMS), 及其盐^	1493-13-6	Usage ban 禁用	mg/kg	1	ND
Perfluoropropanesulfonic acid (PFPrS), its salts^ / 全氟丙烷磺酸 (PFPrS), 及其盐^	423-41-6	Usage ban 禁用	mg/kg	1	ND
1-perfluoroheptyl ethanol (7:2 secondary) (7:2sFTOH) / 1-全氟庚基乙醇 (7:2 仲) (7:2sFTOH)	24015-83-6	Usage ban 禁用	mg/kg	1	ND
4:2 Fluorotelomer iodide (4:2 FTI) / 1-碘-1H, 1H, 2H, 2H-全氟己烷 (4:2 FTI)	2043-55-2	Usage ban 禁用	mg/kg	1	ND
Perfluoroheptane-1-sulfinic acid (PFHpSi), its salts^ / 全氟庚烷-1-亚磺酸 (PFHpSi), 及其盐^	769067-51-8	Usage ban 禁用	mg/kg	1	ND
Perfluorooctyl phosphonic acid (PFOPA), its salts^ / 全氟辛基磷酸 (PFOPA), 及其盐^	40143-78-0	Usage ban 禁用	mg/kg	1	ND

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Item(s) 检测项目	CAS No.	Limit 限值	Unit(s) 单位	MDL	A1
1H,1H-Perfluorooctylamine (7:1 FTNH$_2$) / 1H, 1H-全氟辛胺 (7:1 FTNH$_2$)	307-29-9	Usage ban 禁用	mg/kg	1	ND
Perfluorobutyramide (PFBA-NH$_2$) / 全氟丁酰胺 (PFBA-NH$_2$)	662-50-0	Usage ban 禁用	mg/kg	1	ND
1H,1H,2H,2H-Nonafluorohexyl acrylate (4:2 FTA) / 1H, 1H, 2H, 2H-九氟己酯 (4:2 FTA)	52591-27-2	Usage ban 禁用	mg/kg	1	ND
N-methylperfluoro-1-butanesulfonamide (MeFBSA) / N-甲基-九氟丁磺酰胺 (MeFBSA)	68298-12-4	Usage ban 禁用	mg/kg	1	ND
N-Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-1-hexanesulfonamide (Et-FHxSE) / N-乙基-1,1,2,2,3,3,4,4,5,5,6,6,6-十三氟-N-(2-羟乙基)-1-己磺酰胺 (Et-FHxSE)	34455-03-3	Usage ban 禁用	mg/kg	1	ND
Trifluoroacetic acid(TFA), its salts^ / 三氟乙酸 (TFA), 及其盐^	76-05-1	Usage ban 禁用	mg/kg	1	ND
Bis(pentafluoroethylsulfonyl)imide (BETI), its salts^ / 双(五氟乙磺酰基)酰亚胺 (BETI), 及其盐^	152894-10-5	Usage ban 禁用	mg/kg	1	ND
Perfluoro-2-ethoxypropanoic acid (PEPA) / 全氟-2-乙氧基丙酸 (PEPA)	267239-61-2	Usage ban 禁用	mg/kg	1	ND
Perfluorodecyl phosphonic acid (PFDPA), its salts^ / 全氟癸基膦酸 (PFDPA), 及其盐^	52299-26-0	Usage ban 禁用	mg/kg	1	ND
Perfluorohexyl phosphonic acid (PFHxPA), its salts^ / 全氟己基膦酸 (PFHxPA), 及其盐^	40143-76-8	Usage ban 禁用	mg/kg	1	ND
3-(Perfluorobutyl)propanoic acid / 3-(全氟丁基)丙酸	80705-13-1	Usage ban 禁用	mg/kg	1	ND
Perfluoro-3,6,9-trioxaundecane-1,11-dioic acid / 全氟-3,6,9-三氧杂十一烷-1,11-二酸	55621-18-6	Usage ban 禁用	mg/kg	1	ND
Perfluorononanedioic acid / 全氟壬二酸	23453-64-7	Usage ban 禁用	mg/kg	1	ND
Perfluorooctanedioic acid / 全氟辛二酸	678-45-5	Usage ban 禁用	mg/kg	1	ND
Perfluamine / 全氟三丙胺	338-83-0	Usage ban 禁用	mg/kg	10	ND
Hexafluoroacetylacetone (HFAC), its salts^ / 六氟乙酰丙酮 (HFAC), 及其盐^	1522-22-1	Usage ban 禁用	mg/kg	1	ND
Perfluoro-N-methylmorpholine / 全氟-N-甲基吗啉	382-28-5	Usage ban 禁用	mg/kg	10.000	ND

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Item(s) 检测项目	CAS No.	Limit 限值	Unit(s) 单位	MDL	A1
4,4'-[2,2,2-trifluoro-1-(trifluoromethyl) ethylidene]diphenol (BPAF) / 4,4'-[2,2,2-三氟-1-(三氟甲基)亚乙基]双酚(BPAF)	1478-61-1	Usage ban 禁用	mg/kg	10	ND
Perfluoro-(2,5,8-trimethyl-3,6,9-trioxadodecanoic) acid (PFTriODA), its salts^ / 全氟-(2,5,8-三甲基-3,6,9-三氧杂十二烷酸) (PFTriODA), 及其盐^	65294-16-8	Usage ban 禁用	mg/kg	1	ND
Perfluorodecanedioic acid (PFDeDA), its salts^ / 全氟癸二酸 (PFDeDA), 及其盐^	307-78-8	Usage ban 禁用	mg/kg	1	ND
9H-Perfluorononanoic acid (9H-PFNA), its salts^ / 9H-全氟壬酸 (9H-PFNA), 及其盐^	76-21-1	Usage ban 禁用	mg/kg	1	ND
1,1,2,2,3,3-Hexafluoropropane-1,3-disulfonimide (HFPDSI), its salts^ / 1,1,2,2,3,3-六氟丙烷-1,3-二磺酰亚胺 (HFPDSI), 及其盐^	84246-29-7	Usage ban 禁用	mg/kg	1	ND
Conclusion / 结论					**Pass 符合**

Notes:

(1) ^=Substances refer to its salts/derivative listed in below table.

Substances Name	**CAS No.**
PFOS, its salts & derivatives	
Perfluorooctane sulfonic acid (PFOS)	1763-23-1
Potassium Perfluorooctanesulfonate (PFOS-K)	2795-39-3
Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5
Sodium perfluorooctanesulfonate (PFOS-Na)	4021-47-0
Ammonium perfluorooctanesulfonate (PFOS-NH_4)	29081-56-9
Perfluorooctane sulfonate diethanolamine salt (PFOS-$NH_2(C_2H_4OH)_2$)	70225-14-8
Perfluorooctanesulfonic acid,tetraethylammonium salt (PFOS-$N(C_2H_5)_4$)	56773-42-3
N-decyl-N,N-dimethyldecan-1-aminium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-$N(C_{10}H_{21})_2(CH_3)_2$)	251099-16-8
TetrabutylAmmonium perfluorooctanesulfonate (PFOS-$N(C_4H_9)_4$)	111873-33-7
Perfluorooctane Sulfonyl fluoride (PFOS-F)	307-35-7
Magnesium bis(heptadecafluorooctanesulphonate) (PFOS-Mg)	91036-71-4
Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctanesulfonate	71463-74-6
Perfluorooctanesulfonate	45298-90-6
Triethylammonium perfluorooctane sulfonate (PFOS-$NH(C_2H_5)_3$)	54439-46-2

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Tetramethylammonium perfluorooctane sulfonate (PFOS-$N(CH_3)_4$)	56773-44-5
N,N,N-Tripropylpentan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-$N(C_3H_7)_3(C_5H_{11})$)	56773-56-9
N,N-Dibutyl-N-methylbutan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-$N(C_4H_9)_3(CH_3)$)	124472-68-0
Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with perfluoro-1-octanesulfonic acid (1:1)	213740-80-8
Diphenyl(2,4,6-trimethylphenyl)sulfonium perfluoro-1-octanesulfonate	258341-99-0
1-Hexadecylpyridinium perfluoro-1-octanesulfonate	334529-63-4
N,N,N-Triethyldecan-1-aminium heptadecafluorooctane-1-sulfonate	773895-92-4
Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-$P(C_4H_9)_4$))	2185049-59-4
Perfluorooctanesulfonic acid diethylamine salt (PFOS-$C_4H_{11}N$)	2205029-08-7
heptyldimethyl{2-[(2-methylprop-2-enoyl)oxy]ethyl}azanium heptadecafluorooctane-1-sulfonate (PFOS-$C_{15}H_{30}NO_2$)	1203998-97-3
Perfluorooctane sulfonic anhydride (PFOSAN)	423-92-7
Perfluoro-1-octanesulfonyl chloride (PFOS-Cl)	423-60-9
FOSAA, its salts	
Perfluorooctane sulfonamidoacetic Acid (FOSAA)	2806-24-8
N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA(anion))	909405-47-6
N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K)	75260-69-4
N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na)	115716-87-5
N-MeFOSAA, its salts	
N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA)	2355-31-9
2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion))	909405-48-7
Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K)	70281-93-5
Cyclo-hexachloro (N-methyl- (N-(perfluorooctylsulphonyl) glycinato-O1:O1')) dihydroxytrichromium	97298-47-0
N-EtFOSAA, its salts	
N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA)	2991-50-6
Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K)	2991-51-7
2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion))	909405-49-8
Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-NH_4)	2991-52-8

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)	3871-50-9
Diaquatetrachloro[mu-[N-ethyl-N-[(perfluorooctyl) sulfonyl]glycinato-O1:O1']]-mu-hydroxybis[2-methylpropanol]dichromium	68891-96-3
PFOSA, its salts	
Perfluorooctane Sulfonamide (PFOSA)	754-91-6
Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li)	76752-79-9
Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na)	76752-78-8
Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K)	76752-70-0
Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH_4)	76752-72-2
Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-$C_6H_{15}N$)	76752-82-4
PFOA, its salts & derivatives	
Perfluorooctanoic acid (PFOA)	335-67-1
Sodium perfluorooctanoate (PFOA-Na)	335-95-5
Potassium perfluorooctanoate (PFOA-K)	2395-00-8
Silver perfluorooctanote (PFOA-Ag)	335-93-3
Perfluorooctanoyl fluoride (PFOA-F)	335-66-0
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
Lithium perfluorooctanoate (PFOA-Li)	17125-58-5
Cobalt perfluorooctanoate (PFOA-Co)	35965-01-6
Cesium perfluorooctanoate (PFOA-Cs)	17125-60-9
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, chromium(3+) (PFOA-Cr(3+))	68141-02-6
Pentadecafluorooctanoic acid--piperazine (2/1) (PFOA-$NH(C_4H_{10}N)$)	423-52-9
Pentadecafluorooctanoate (anion)	45285-51-6
Perfluorooctanoic Anhydride	33496-48-9
N,N,N-Triethylethanaminium perfluorooctanoate	98241-25-9
Perfluorooctanoate N,N,N-Trimethylmethanaminium	32609-65-7
Tetrapropylammonium perfluorooctanoate	277749-00-5
Potassium pentadecafluorooctanoate--water (1/1/2) (PFOA-$K(H_2O)_2$)	98065-31-7
Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA-C_2H_7N)	1376936-03-6
Pentadecafluorooctanoic acid--pyridine (1/1) (PFOA-C_5H_5N)	95658-47-2
pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA-$C_{10}H_{14}N_2$)	1514-68-7
N,N,N-Trimethyloctan-1-aminium pentadecafluorooctanoate (PFOA-$C_{11}H_{26}N$)	927835-01-6
Pentadecafluorooctanoyl chloride (PFOA-Cl)	335-64-8

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Perfluorooctanoyl Bromide (PFOA-Br)	222037-87-8
8:2 FTS, its salts	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4
Potassium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-K)	438237-73-1
Ammonium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-NH_4)	149724-40-3
Sodium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-Na)	27619-96-1
2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS(anion))	481071-78-7
2-(Perfluorooctyl)ethanesulfonyl chloride (8:2 FTS-Cl)	27619-90-5
8:2 FTCA, its salts	
2H,2H-Perfluorodecane Acid (8:2 FTCA)	27854-31-5
Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-$P(C_4H_9)_4$)	882489-14-7
8:2diPAP, its salts	
Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2diPAP)	678-41-1
Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2diPAP-Na)	114519-85-6
Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate	57677-97-1
Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH_4)	93776-20-6
8:2 Fluorotelomer phosphate diester ion (1-)	1411713-91-1
8:3 FTCA, its salts	
2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)	34598-33-9
Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)	83310-58-1
2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li)	67304-23-8
8:8 PFPi, its salts	
8:8 Perfluorophosphinic acid (8:8 PFPi)	40143-79-1
Bis(heptadecafluorooctyl)phosphinic Acid Sodium Salt (8:8 PFPi-Na)	500776-69-2
Bis(perfluorooctyl) phosphinic acid erbium(3+) salt (8:8 PFPi-Er)	500776-70-5
Bis(perfluorooctyl) phosphinic acid ytterbium(3+) salt (8:8 PFPi-Yb)	500776-71-6
8:2 monoPAP, its salts	
8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)	57678-03-2
8:2 Fluorotelomer diammonium phosphate	93857-44-4
Disodium 1H,1H,2H,2H-perfluorodecylphosphate	438237-75-3
Ammonium bis[2-(perfluorohexyl)ethyl] phosphate	1764-95-0
3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctanol phosphate ammonium salt	92401-44-0
Sodium 1H,1H,2H,2H-perfluorooctylphosphate	144965-22-0

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Monopotassium monoperfluorohexyl ethylphosphate	150033-28-6
Ammonium 2-(perfluorohexyl)ethyl hydrogen phosphate	2353-52-8
PFNA, its salts	
Perfluorononane Acid (PFNA)	375-95-1
Perfluorononanoate Na-Salt (PFNA-Na)	21049-39-8
Nonanoic acid, heptadecafluoro-, ammonium salt (PFNA-NH_4)	4149-60-4
Potassium perfluorononanoate (PFNA-K)	21049-38-7
Perfluorononanoate Li-Salt (PFNA-Li)	60871-92-3
Silver perfluorononanoate (PFNA-Ag)	7358-16-9
Methanaminium perfluorononanoate (PFNA-$NH_3(CH_3)$)	77032-23-6
Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-, compd. with N-ethylethanamine (1:1) PFNA-$NH_2(C_2H_5)_2$)	77032-27-0
Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-, compd. with N-methylmethanamine (1:1) (PFNA-$NH_2(CH_3)_2$)	77032-24-7
Nonanoic acid, heptadecafluoro-, compd. with N,N-diethylethanamine (1:1) (9CI) (PFNA-$NH(C_2H_5)_3$)	327176-80-7
Nonanoic acid, heptadecafluoro-, compd. with piperidine (1:1) (9CI) (PFNA-$NH_2(C_5H_{10})$)	95682-66-9
Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-, compd. with benzenamine (1:1) (PFNA-$NH_3(C_6H_5)$)	95682-67-0
Nonanoic acid, heptadecafluoro-, compd. with cyclohexanamine (1:1) (9CI) (PFNA-$NH_3(C_6H_{11})$)	328531-06-2
Perfluorononanoate (anion)	72007-68-2
4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium heptadecafluorononanoate (PFNA-$C_{11}H_{12}N_4O_3S$)	298703-33-0
Perfluorononanoic anhydride (PFNAA)	228407-54-3
Perfluorononanoyl chloride (PFNA-Cl)	52447-23-1
Perfluorononanoyl fluoride (PFNA-F)	558-95-2
Heptadecafluorononanoyl Bromide (PFNA-Br)	261503-42-8
PFDA, its salts	
Perfluorodecane Acid (PFDA)	335-76-2
Sodium perfluorodecanoate (PFDA-Na)	3830-45-3
Perfluorodecanoate ammonium salt (PFDA-NH_4)	3108-42-7
Potassium perfluorodecanoate (PFDA-K)	51604-85-4
Silver perfluorodecanoate (PFDA-Ag)	5784-82-7
Lithium perfluorodecanoate (PFDA-Li)	84743-32-8
Perfluorodecanoate (anion)	73829-36-4
Perfluorodecanoic anhydride (PFDAA)	942199-24-8
Nonadecafluorodecanoyl chloride (PFDA-Cl)	307-38-0
Nonadecafluorodecanoyl Fluoride (PFDA-F)	--
PFUnDA, its salts	

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Perfluoroundecanoic Acid (PFUnDA)	2058-94-8
Perfluoroundecanoic acid sodium salt (PFUnDA-Na)	60871-96-7
Ammonium perfluoroundecanoate (PFUnDA-NH_4)	4234-23-5
Potassium perfluoroundecanoate (PFUnDA-K)	30377-53-8
Calcium perfluoroundecanoate (PFUnDA-Ca)	97163-17-2
Perfluoroundecanoate (anion)	196859-54-8
PFDoDA, its salts	
Perfluorododecanoic Acid (PFDoDA)	307-55-1
Ammonium tricosafluorododecanoate (PFDoDA-NH_4)	3793-74-6
Perfluorododecanoate (anion)	171978-95-3
Sodium perfluoro-n-dodecanoic acid (PFDoDA-Na)	307-67-5
PFTrDA, its salts	
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8
Ammonium perfluorotridecanoate (PFTrDA-NH_4)	4288-72-6
Sodium perfluorotridecanoate (PFTrDA-Na)	60872-01-7
Perfluorotridecanoate (anion)	862374-87-6
PFTDA, its salts	
Perfluorotetradecanoic Acid (PFTDA)	376-06-7
Perfluorotetradecanoate (anion)	365971-87-5
PFDS, its salts	
Perfluorodecane sulfonic acid (PFDS)	335-77-3
Sodium perfluorodecanesulfonate (PFDS-Na)	2806-15-7
Potassium perfluorodecanesulfonate (PFDS-K)	2806-16-8
Ammonium perfluorodecanesulfonate (PFDS-NH_4)	67906-42-7
Perfluorodecane sulfonate (anion)	126105-34-8
Perfluorodecane sulfonic anhydride (PFDSA)	51667-62-0
Perfluorodecanesulphonyl fluoride (PFDS-F)	307-51-7
Perfluorodecanesulphonyl chloride (PFDS-Cl)	32779-61-6
10:2 FTS, its salts	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0
1H,1H,2H,2H-Perfluorododecanesulfonic Acid Sodium (10:2 FTS-Na)	108026-35-3
2-(Perfluorodecyl)ethane-1-sulfonyl chloride (10:2 FTS-Cl)	27619-91-6
PFNS, its salts	
Perfluoro nonane sulfonic acid (PFNS)	68259-12-1
Sodium perfluoro-1-nonanesulfonate (PFNS-Na)	98789-57-2
ammonium nonadecafluorononanesulphonate (PFNS-NH_4)	17202-41-4
Potassium perfluorononanesulfonate (PFNS-K)	29359-39-5
Perfluorononane sulfonate (anion)	474511-07-4
Perfluorononanesulfonyl fluoride (PFNS-F)	68259-06-3
PFUnDS, its salts	

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Perfluoroundecane sulfonic acid (PFUnDS)	749786-16-1
Perfluoroundecanesulfonate (anion)	441296-91-9
PFDoDS, its salts	
Perfluorododecanesulfonic acid (PFDoDS)	79780-39-5
Sodium perfluoro-1-dodecanesulfonate (PFDoDS-Na)	1260224-54-1
Potassium perfluorododecanesulfonate (PFDoDS-K)	85187-17-3
Perfluorododecane sulfonate (anion)	343629-43-6
PFTrDS, its salts	
Perfluorotridecane sulfonic acid (PFTrDS)	791563-89-8
Sodium perfluoro-1-tridecanesulfonate (PFTrDS-Na)	174675-49-1
10:2 diPAP, its salts	
10:2 Fluorotelomer phosphate diester (10:2 diPAP)	1895-26-7
Bis((perfluorodecyl)ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-$C_4H_{11}O_2$)	57677-98-2
10:2 monoPAP, its salts	
10:2 Fluorotelomer phosphate monoester (10:2 monoPAP)	57678-05-4
10:2 Fluorotelomer diammonium dihydrogen phosphate	93857-45-5
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10, 11,11,12.12,12-Henicosafluorododecyl dihydrogen phosphate cyclohexylamine	2514858-66-1
PFHxS, its salts & derivatives	
Perfluorohexanesulfonic acid (PFHxS)	355-46-4
Perfluorohexanesulfonate Na-salt (PFHxS-Na)	82382-12-5
Perfluorohexanesulfonate K-salt (PFHxS-K)	3871-99-6
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1) (PFHxS-Li)	55120-77-9
Ammonium perfluorohexane-1-sulphonate (PFHxS-NH_4)	68259-08-5
Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-BTPP)	1000597-52-3
N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate(PFHxS-N(C_4H_9)$_4$)	108427-54-9
N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate(PFHxS-N(C_2H_5)$_4$)	108427-55-0
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. With pyrrolidine (1:1) (PFHxS-NC_4H_9)	1187817-57-7
Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (Calculated in terms of PFHxS) (PFHxS-($NC_{10}H_{14}$)$_3C_5H_4$)	1310480-24-0
Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-(NC_8H_{10})$_2C_{13}H_{12}$)	1310480-27-3

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国·浙江·宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区，5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-$(NC_8H_{10})_2C_{17}H_{12}$)	1310480-28-4
Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1) (PFHxS-$C_{42}H_{70}O_{35}$)	1329995-45-0
Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1)(PFHxS-$C_{48}H_{80}O_{40}$)	1329995-69-8
Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (TPS-PFHxS)	144116-10-9
Quinolinium, 1-(carboxymethyl)-4-[2-[4-[4-(2,2-diphenylethenyl)phenyl]-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-$C_{44}H_{37}N_2O_2$)	1462414-59-0
Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-$I(C_6H_5)_2$)	153443-35-7
Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (PFHxS-TMA)	189274-31-5
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd.with 2-methyl-2-propanamine (1:1)(PFHxS-$NH_2(CH_3)_3$)	202189-84-2
Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-$I(C_6H_4)_2(C_4H_9)_2$)	213740-81-9
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9CI)(PFHxS-Ga)	341035-71-0
Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-$S(C_7H_7)_2C_6H_5$)	341548-85-4
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1)(PFHxS-Sc)	350836-93-0
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1)(PFHxS-Nd)	41184-65-0
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1)(PFHxS-Y)	41242-12-0
Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:2)(PFHxS-$S_3(C_6H_5)_4(C_6H_4)_2$)	421555-73-9
Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic(PFHxS-$I(C_6H_4)_2(C_5H_{11})$	421555-74-0

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Perfluorohexanesulphonyl fluoride (PFHxS-F)	423-50-7
Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-S(C_6H_4)$_3$(C_4H_9)$_3$)	425670-70-8
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt (PFHxS-Zn)	70136-72-0
Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)(PFHxS-NH(C_2H_5O)$_2$)	70225-16-0
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1)(PFHxS-N(C_2H_5)$_3$)	72033-41-1
Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9CI) (PFHxS-I(C_6H_4)$_2$(C_4H_9)$_2$)	866621-50-3
Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-S(C_6H_5)$_2$$C_7H_7$)	910606-39-2
Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C_6H_5)$_2$$C_{10}H_9O_2$)	911027-68-4
1-Hexanesulfonic acid, 9,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1) (PFHxS-Cs) (PFHxS-Cs)	92011-17-1
Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S$C_{28}H_{31}O_4$)	928049-42-7
Perfluorohexylsulfonyl chloride (PFHxS-Cl)	55591-23-6
Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.13,7]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate (PFHxS-Sulfonium, propenoate polymer)	911027-69-5
Perfluorohexane sulfonate (anion)	108427-53-8
Tetrabutylphosphonium perfluorohexane sulfonate (PFHxS-P(C_4H_9)$_4$))	2310194-12-6
EtFHxSAA, its salts	
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl] (EtFHxSAA)	68957-32-4
Potassium N-ethyl-n-[(tridecafluorohexyl)sulfonyl]glycinate (EtFHxSAA-K)	67584-53-6
Sodium N-ethyl-N-((tridecafluorohexyl)sulphonyl)glycinate (EtFHxSAA-Na)	68555-70-4
PFHxA, its salts & derivatives	

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Perfluorohexane Acid (PFHxA)	307-24-4
Ammonium perfluorohexanoate (APFHx)	21615-47-4
Sodium perfluorohexanoate (PFHxA-Na)	2923-26-4
Potassium perfluorohexanoate (PFHxA-K)	3109-94-2
Perfluorohexanoyl fluoride (PFHxA-F)	355-38-4
Silver perfluorohexanoate (PFHxA-Ag)	336-02-7
Lithium perfluorohexanoate (PFHxA-Li)	90430-61-8
Perfluorohexanoic anhydride	308-13-4
Hexanoic acid, undecafluoro-, compd. with piperazine (2:1) (8CI,9CI)	423-47-2
Perfluorohexanoate (anion)	92612-52-7
Perfluorohexanoyl chloride (PFHxA-Cl)	335-53-5
Perfluorohexanoyl bromide (PFHxA-Br)	1404193-66-3
Undecafluorohexanoic acid--hexan-1-amine (1/1) (PFHxA-$C_6H_{15}N$)	565225-91-4
1-phenylpiperazine; 2,2,3,3,4,4,5,5,6,6,6-undecafluorohexanoic acid (PFHxA-$C_{10}H_{14}N_2$)	985-60-4
6:2 FTS, its salts	
1H,1H,2H,2H-Perfluorooctanesulphonic acid (6:2 FTS)	27619-97-2
Sodium 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS-Na)	27619-94-9
Potassium 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS-K)	59587-38-1
Ammonium 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS-NH_4)	59587-39-2
1-Octanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-, barium salt (2:1) (6:2 FTS-Ba)	1807944-82-6
2-(Perfluorohexyl)ethane-1-sulfonate (6:2FTS(anion))	425670-75-3
2-(Perfluorohexyl)ethanesulfonyl chloride (6:2 FTS-Cl)	27619-89-2
2-(Perfluorohexyl)ethanesulfonyl fluoride (6:2 FTS-F)	--
6:2 monoPAP, its salts	
6:2 Fluorotelomer phosphate monoester (6:2 monoPAP)	57678-01-0
Diammonium 6:2 fluorotelomer phosphate monoester (6:2 monoPAP-NH_4NH_4)	1000852-37-8
6:2 FTPA, its salts	
Perfluorohexyl ethylphosphonic acid (6:2 FTPA)	252237-40-4
Tridecafluorooctyl-phosphonic acid sodium salt (1:1) (Cheminox FHP_2OH-Na(PFHXPA-Na))	1189052-95-6
6:6 PFPi, its salts	
6:6 Perfluorophosphinic acid (6:6 PFPi)	40143-77-9
Bis(perfluorohexyl)phosphinic acid sodium salt (6:6 PFPi-Na)	70609-44-8
Bis(perfluorohexyl) phosphinic acid ytterbium(3+) salt (6:6 PFPi-Yb)	500776-72-7
Bis(perfluorohexyl) phosphinic acid erbium(3+) salt (6:6 PFPi-Er)	500776-73-8

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

PFBA, its salts	
Perfluorobutane Acid (PFBA)	375-22-4
Ammonium perfluorobutanoate (PFBA-NH_4)	10495-86-0
Sodium perfluorobutanoate (PFBA-Na)	2218-54-4
Potassium heptafluorobutanoate (PFBA-K)	2966-54-3
Silver perfluorobutanoate (PFBA-Ag)	3794-64-7
Lithium perfluorobutanoate (PFBA-Li)	4146-76-3
Heptafluorobutanoic acid-piperazine (1:1)	375-04-2
Perfluorobutanoate (anion)	45048-62-2
4-Chlorobenzenediazonium perfluorobutanoate perfluorobutanoic acid (1:1:1) (PFBA-$C_6H_4ClF_6N_2P$)	--
Heptafluorobutanoic acid-1-phenylpiperazine (1:1) (PFBA-$C_{10}H_{14}N_2$)	2263-11-8
Perfluorobutanoic anhydride (PFBAA)	336-59-4
Heptafluorobutanoic acid calcium salt (PFBA-Ca)	2366-98-5
Rhodium(II) perfluorobutyrate dimer (PFBA-Rh)	73755-28-9
Perfluorobutyryl chloride (PFBA-Cl)	375-16-6
Perfluorobutanoyl fluoride (PFBA-F)	335-42-2
Heptafluorobutanoyl Bromide (PFBA-Br)	375-13-3
4-Chlorobenzenediazonium perfluorobutanoate perfluorobutanoic acid (1:1:1)	--
N5-(5-Hydroxy-4,6-dimethylpyrimidin-2-yl)-L-ornithine-heptafluorobutanoic acid (1/2)	936233-19-1
PFBS, its salts & derivatives	
Perfluorobutanesulfonic acid (PFBS)	375-73-5
Perfluorobutanesulfonate K-salt (PFBS-K)	29420-49-3
Perfluorobutanesulfonic Acid Hydrate (PFBS-H_2O)	59933-66-3
lithium perfluorobutanesulfonate (PFBS-Li)	131651-65-5
Triphenyl Sulfonium Perfluorobutane Sulfonate (TPS-PFBS)	144317-44-2
Dimethyl(phenyl)sulfanium perfluorobutanesulfonate (PFBS-$S(CH_3)_2C_6H_5$)	220133-51-7
Tetrabutyl-phosphonium nonafluoro-butane-1-sulfonate (PFBS-$P(C_4H_9)_4$)	220689-12-3
N,N,N,-triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate(PFBS-$N(C_2H_5)_4$)	25628-08-4
Nonafluorobutanesulfonyl fluoride (PFBS-F)	375-72-4
Morpholinium perfluorobutanesulfonate (PFBS-NC_4H_9O)	503155-89-3
Magnesium perfluorobutanesulfonate (PFBS-Mg)	507453-86-3
Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate (PFBS-NH_4)	68259-10-9
1-(4-butoxy-1-naphthyl)tetrahydrothiophenium nonafluorobutane-1-sulfonate (PFBS-$SC_{18}H_{23}O$)	209482-18-8

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1,1,2,2,3,3,4,4,4-Nonafluorobutane-1-sulfonyl chloride (PFBS-Cl)	2991-84-6
Sodium perfluorobutanesulfonate (PFBS-Na)	60453-92-1
Bis(4-tert-butylphenyl)iodonium perfluoro-1-butanesulfonate (PFBS-I(C_6H_4)$_2$(C_4H_9)$_2$)	194999-85-4
1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonic acid, compound with 2,2'-iminodiethanol (1:1) (PFBS-NH(C_2H_5O)$_2$)	70225-18-2
Tetrabutylammonium nonafluorobutanesulfonate ((PFBS-N(C_4H_9)$_4$))	108427-52-7
Diphenyliodanium nonafluorobutane-1-sulfonate((PFBS-I(C_6H_5)$_2$))	194999-82-1
Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	241806-75-7
Sulfonium, (4-cyclohexylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	425670-64-0
Thiophenium, tetrahydro-1-(1-methyl-1H-indol-3-yl)-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	867373-18-0
Pyridinium, 1-ethyl-3-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	1015420-87-7
1H-Imidazolium, 1-methyl-3-octyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	905972-83-0
1H-Imidazolium, 3-hexyl-1-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	1001557-05-6
2-Propanaminium, N,N-dimethyl-N-(1-methylethyl)-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	374571-81-0
Sulfonium, [4-[2-(1,1-dimethylethoxy)-2-oxoethoxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	857285-80-4
1-Butanaminium, N,N-dibutyl-N-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	124472-66-8
1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, zinc salt (2:1) (PFBS-Zn)	502457-69-4
1-Pentanaminium, N,N,N-tripropyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	56773-55-8
Perfluorobutanesulfonic acid tetramethylammonium salt (PFBS-N(CH_3)$_4$)	25628-17-5
1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, 1,1'-anhydride	36913-91-4
Perfluorobutane sulfonate (anion)	45187-15-3
1-(4-butoxy-1-naphthyl)tetrahydrothiophenium nonafluorobutane-1-sulfonate	EC: 468-770-4
Triethylammonium perfluorobutane sulfonate	182059-38-7
N-(2-Hydroxyethyl)-N,N-dimethyl-1-octanaminium perfluoro-1-butanesulfonate (1:1)	334529-55-4

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国·浙江·宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

1-Hexadecylpyridinium perfluoro-1-butanesulfonate	334529-62-3
1-Butylpyridinium perfluoro-1-butanesulfonate	334529-64-5
N-Methyl-N,N-dioctyl-1-octanaminium perfluoro-1-butanesulfonate	495417-51-1
Sulfonium, tris(4-methylphenyl)-, salt with perfluoro-1-butanesulfonic acid (1:1)	722538-68-3
N-Ethyl-N-methyl-N-propylammonium perfluorobutanesulfonate	1186599-90-5
[4-(2-Methylpropyl)phenyl]-diphenylsulfanium;1,1,2,2,3,3,4, 4,4-nonafluorobutane-1-sulfonate	1375211-36-1
Diphenyl 4-tertbutylphenylsulfonium nonafluorobutanesulfonate	258872-05-8
Diphenyl(4-methylphenyl)sulfonium nonafluorobutanesulfonate	284474-28-8
Trimethylsilyl nonafluorobutanesulfonate	68734-62-3
PFPeA, its salts	
Perfluoropentane Acid (PFPeA)	2706-90-3
Sodium perfluoropentanoate(PFPeA-Na)	2706-89-0
Potassium perfluoropentanoate (PFPeA-K)	336-23-2
Lithium perfluoropentanoate (PFPeA-Li)	198482-22-3
Silver perfluoropentanoate (PFPeA-Ag)	2795-30-4
Ammonium perfluoropentanoate(PFPeA-NH_4)	68259-11-0
Perfluoropentanoate (anion)	45167-47-3
Nonafluoropentanoic acid -1-benzylthiourea (1:1) (PFPeA-$C_8H_{10}N_2S$)	64808-55-5
Perfluoropentanoic anhydride (PFPeAA)	308-28-1
Perfluoropentanoyl chloride (PFPeA-Cl)	375-60-0
Perfluoropentanoyl fluoride (PFPeA-F)	375-62-2
Nonafluoropentanoyl bromide (PFPeA-Br)	159623-35-5
HPFHpA, its salts	
7H-Dodecanefluoroheptane Acid (HPFHpA)	1546-95-8
Sodium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-Na)	2264-25-7
Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-NH_4)	376-34-1
7-H-Perfluoroheptanoate (HPFHpA(anion))	69681-35-2
Potassium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-K)	--
Lithium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-Li)	--
7H-Perfluoroheptanoyl chloride (HPFHpA-Cl)	41405-35-0
7H-Perfluoroheptanoyl fluoride (HPFHpA-F)	5927-65-1
Perfluoroheptanoyl Bromide (HPFHpA-Br)	141893-84-7
PFHpS, its salts	
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Central Chemical Lab (China)
Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国·浙江·宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Perfluoroheptanesulfonate Na-salt (PFHpS-Na)	21934-50-9
Potassium Perfluoroheptanesulfonate (PFHpS-K)	60270-55-5
Ammonium perfluoroheptanesulfonate (PFHpS-NH_4)	68259-07-4
Lithium perfluoroheptanesulfonate (PFHpS-Li)	117806-54-9
1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-, compd. with 2,2'-iminobis[ethanol] (1:1)	70225-15-9
Perfluoroheptane sulfonate (anion)	146689-46-5
Triethylammonium perfluoroheptane sulfonate	72033-40-0
Tetraethylammonium perfluoroheptane sulfonate	439863-97-5
Perfluoroheptane sulfonic anhydride (PFHpSA)	140429-92-1
Perfluoroheptanesulfonyl fluoride (PFHpS-F)	335-71-7
Perfluoroheptanesulfonyl chloride(PFHpS-Cl)	33018-82-5
PFHpA, its salts	
Perfluoroheptane Acid (PFHpA)	375-85-9
Sodium perfluoroheptanoate (PFHpA-Na)	20109-59-5
Potassium perfluoroheptanoate (PFHpA-K)	21049-36-5
Ammonium perfluoroheptanoate (PFHpA-NH_4)	6130-43-4
Cesium perfluoroheptanoate (PFHpA-Cs)	171198-24-6
Silver perfluoroheptanoate (PFHpA-Ag)	424-05-5
Lithium perfluoroheptanoate (PFHpA-Li)	60871-90-1
Perfluoroheptanoate (anion)	120885-29-2
Perfluoroheptanoic anhydride (PFHpAA)	78225-99-7
Perfluoroheptanoyl chloride (PFHpA-Cl)	52447-22-0
Perfluoroheptanoyl fluoride (PFHpA-F)	375-84-8
HFPO-DA, its salts & derivatives	
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid (HFPO-DA)	13252-13-6
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, ammonium salts (HFPO-DA-NH_4)	62037-80-3
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, K- salts (HFPO-DA-K)	67118-55-2
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its acyl halides (HFPO-DA-F)	2062-98-8
Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (+)-	75579-39-4
Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (-)-	75579-40-7
Sodium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	67963-75-1
Perfluoro(2-propoxypropanoate)	122499-17-6
2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propanoic acid--N-propylpropan-1-amine (1/1)	165951-17-7
Triethylaminium perfluoro-2-propoxypropanoate	165951-18-8
4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium 2,3,3,3-	298703-31-8

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

tetrafluoro-2-(heptafluoropropoxy)propanoate	
2,3,6-Triiodobenzoic acid (1-methyl-3-piperidinyl)methyl ester compd. with perfluoro-2-(propoxy)propanoate (1:1) (HFPO-$C_{14}H_{16}I_3NO_2$)	2412106-69-3
4:2 FTS, its salts	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	757124-72-4
1H,1H,2H,2H-perfluorohexane sulfonate acid sodium salt	27619-93-8
4:2 Fluorotelomer sulfonate (4:2 FTS(anion))	414911-30-1
5:3 FTCA, its salts	
3-Perfluoropentyl propanoic acid (5:3 FTCA)	914637-49-3
2H,2H,3H,3H-Perfluorooctanoate (5:3 FTCA(anion))	1799325-94-2
PFPeS, its salts	
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4
Sodium perfluoro-1-pentanesulfonate (PFPeS-Na)	630402-22-1
Potassium perfluoropentane-1-sulphonate (PFPeS-K)	3872-25-1
Ammonium perfluoropentanesulfonate (PFPeS-NH_4)	68259-09-6
Bis(2-hydroxyethyl) ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonate	70225-17-1
Undecafluoropentane-1-sulfonic acid lithium salt (PFPeS-Li)	1046864-81-6
Perfluoropentane sulfonate (anion)	175905-36-9
Triethylammonium perfluoropentane sulfonate	72033-42-2
Perfluoropentane sulfonic anhydride (PFPeSA)	161877-72-1
PFHxDA, its salts	
Perfluorohexadecanoic Acid (PFHxDA)	67905-19-5
Hentriacontafluorohexadecanoate anion (PFHxDA(anion))	1214264-30-8
PFODA, its salts	
Perfluorooctadecanoic Acid (PFODA)	16517-11-6
Perfluorooctadecanoate anion (PFODA(anion))	798556-82-8
Potassium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-pentatriacontafluorooctadecanoate	--
Sodium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-pentatriacontafluorooctadecanoate	--
Lithium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-pentatriacontafluorooctadecanoate	--
ADONA, its salts	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4
Ammonium 4,8-dioxa-3H-perfluorononanoate (ADONA-NH_4)	958445-44-8
Sodium 4,8-dioxa-3H-perfluorononanoate (ADONA-Na)	2250081-67-3
Potassium 2,2,3-trifluoro-3-[1,1,2,2,3,3-hexafluoro-3-	1087271-46-2

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国·浙江·宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

(trifluoromethoxy)propoxy]propanoate (ADONA-K)	
2,2,3-Trifluoro-3-[1,1,2,2,3,3-hexafluoro-3-(trifluoromethoxy)propoxy]propanoate (ADONA (anion))	2127366-90-7
PFMPA, its salts	
Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1
Perfluoro-3-methoxypropanoic anhydride (PFMPAA)	42566-65-4
9Cl-PF_3ONS, its salts	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF_3ONS)	756426-58-1
Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate (9Cl-PF_3ONS-K)	73606-19-6
Ammonium perfluoro-2-[(6-chlorohexyl)oxy]ethane-1-sulfonate (9Cl-PF_3ONS-NH_4)	1383434-28-3
Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonate) (9Cl-PF_3ONS(anion))	1621485-21-9
11Cl-PF_3OUdS, its salts	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF_3OUdS)	763051-92-9
Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate (11Cl-PF_3OUdS-K)	83329-89-9
2-[(8-Chloro-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-hexadecafluorooctyl)oxy]-1,1,2,2- tetrafluoroethanesulfonate (11Cl-PF_3OUdS (anion))	2196242-82-5
PFEESA, its salts	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7
Potassium perfluoro(2-ethoxyethane) sulfonate (PFEESA-K)	117205-07-9
Sodium perfluoro(2-ethoxyethane) sulfonate (PFEESA-Na)	113507-87-2
3:3 FTCA, its salts	
3-Perfluoropropyl propanoic acid (3:3 FTCA)	356-02-5
4,4,5,5,6,6,6-Heptafluorohexanoate (3:3 FTCA(anion))	1169706-83-5
Sodium 3-(perfluoropropyl)propanoate (3:3 FTCA-Na)	1207462-13-2
PFPeDA, its salts	
Pentadecanoic acid, nonacosafluoro (PFPeDA)	141074-63-7
Nonacosafluoropentadecanoate (PFPeDA(anion))	1214264-29-5
PFBSA, its salts	
Perfluorobutane sulfonamides (PFBSA)	30334-69-1
Nonafluorobutanesulfonamide ammonia salt (PFBSA-NH_4)	131003-86-6
Potassium (perfluorobutanesulfonyl)azanide (PFBSA-K)	289042-19-9
11H-PFUnDA, its salts	
11H-Perfluoroundecanoic acid (11H-PFUnDA)	1765-48-6
Potassium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafluoroundecanoate (11H-PFUnDA-K)	307-71-1

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Ammonium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafluoroundecanoate (11H-PFUnDA-NH_4)	5081-02-7
11-H-Perfluoroundecanoate (11H-PFUnDA(anion))	69681-37-4
PFPrA, its salts	
Pentafluoropropionic acid (PFPrA)	422-64-0
Sodium pentafluoropropionate (PFPrA-Na)	378-77-8
Silver pentafluoropropionate (PFPrA-Ag)	509-09-1
Potassium pentafluoropropionate (PFPrA-K)	378-76-7
Ammonium pentafluoropropionate (PFPrA-NH_4)	2730-58-7
Perfluoropropanoate (PFPrA(anion))	44864-55-3
Pentafluoropropanoic acid-1-phenylpiperazine (1/1) (PFPrA-$C_{10}H_{14}N_2$)	893-87-8
Pentafluoropropanoic acid-piperazine (1/1) (PFPrA-$C_4H_{10}N_2$)	1690-94-4
Imidazole perfluoropropionic acid salt (PFPrA-$C_3H_4N_2$)	200705-90-4
HFPO-TA, its salts	
Hexafluoropropylene oxide trimer acid (HFPO-TA)	13252-14-7
Propanoic acid, 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propoxy]-, potassium salt (HFPO-TA-K)	67118-57-4
Perfluoro-2,5-dimethyl-3,6-dioxanonanoic acid, sodium salt (HFPO-TA-Na)	67963-76-2
Propanoic acid, 2,3,3,3-tetrafluoro-2-(1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy)-, ammonium salt (HFPO-TA-NH4)	13043-05-5
Perfluoro(2,5-dimethyl-3,6-dioxanonanoyl) fluoride (HFPO-TA-F)	2641-34-1
Triethylaminium perfluoro-2-(2- propoxypropoxy)propanoate (HFPO-TA-$NH(C_2H_5)_3$)	165951-19-9
Methanaminium perfluoro-2-(2- propoxypropoxy)propanoate	328065-29-8
2,3,3,3-Tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanoic acid--N-methylmethanamine (1/1)	328065-54-9
PFEtS, its salts	
Perfluoroethane sulfonic acid (PFEtS)	354-88-1
Pentafluoroethanesulfonate (PFEtS (anion))	108410-37-3
Potassium pentafluoroethane-1-sulfonate (PFEtS-K)	2837-92-5
6:2 diPAP, its salts	
6:2 Fluorotelomer phosphate diester (6:2 diPAP)	57677-95-9
Sodium bis[2-(perfluorohexyl)ethyl]phosphate (6:2 diPAP-Na)	407582-79-0
Bis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) phosphate ion(1-) (6:2 diPAP(Anion))	667465-18-1
TFSI, its salts	
Bis(trifluoromethane)sulfonimide (TFSI)	82113-65-3
1-Butyl-1-methylpyrrolidinium Bis(trifluoromethanesulfonyl)imide	223437-11-4

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层6区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Tributylmethylammonium Bis(trifluoromethanesulfonyl)imide	405514-94-5
Lithium Bis(trifluoromethane)sulfonimide (TFSI-Li)	90076-65-6
1-Decyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide	433337-23-6
Zinc(II) Bis(trifluoromethanesulfonyl)imide ($(TFSI)_2$-Zn)	168106-25-0
Manganese(II) Bis(trifluoromethanesulfonyl)imide ($(TFSI)_2$-Mn)	207861-55-0
Nickel bis(trifluoromethylsulfonyl)imide ($(TFSI)_2$-Ni)	207861-63-0
Copper(II) Bis(trifluoromethanesulfonyl)imide ($(TFSI)_2$-Cu)	162715-14-2
(OC-6-11)-Tris(1,1,1-trifluoro-N-((trifluoromethyl)sulfonyl-kappaO) methanesulfonamidato-kappaO)iron ($(TFSI)_3$-Fe)	207861-59-4
Copper(II) trifluoromethanesulfonimide hydrate ($(TFSI)_2$-CuH_2O)	1334406-76-6
Silver Bis(trifluoromethanesulfonyl)imide (TFSI-Ag)	189114-61-2
Copper bis(trifluoromethylsulfonyl)imide (TFSI-Cu)	291300-50-0
Barium(II) Bis(trifluoromethanesulfonyl)imide ($(TFSI)_2$-Ba)	168106-22-7
Strontium bis(trifluoromethylsulfonyl)imide	862121-57-1
1-Methylimidazole Bis(trifluoromethanesulfonyl)imide	353239-08-4
1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide	174899-82-2
1,2-Dimethyl-3-propylimidazolium bis(trifluoromethylsulfonyl)imide	169051-76-7
Magnesium bis(trifluoromethylsulfonyl)imide (TFSI-Mg)	133395-16-1
1-Methyl-3-propylimidazolium Bis(trifluoromethanesulfonyl)imide	216299-72-8
1-Butyl-1-methylpiperidinium bis(trifluoromethylsulfonyl)imide	623580-02-9
1-Methyl-3-n-octylimidazolium Bis(trifluoromethanesulfonyl)imide	178631-04-4
Tris[bis(trifluoromethylsulfonyl)amino] ytterbium ($(TFSI)_3$-Yb)	175438-43-4
Butyltrimethylammonium bis(trifluoromethylsulfonyl)imide	258273-75-5
Cobalt bis(trifluoromethylsulfonyl)imide ($(TFSI)_2$-Co)	207861-61-8
Potassium Bis(trifluoromethanesulfonyl)imide (TFSI-K)	90076-67-8
1-Methyl-1-propylpiperidin-1-ium Bis((trifluoromethyl)sulfonyl)amide	608140-12-1
1-Ethyl-2,3-dimethylimidazolium Bis(trifluoromethanesulfonyl)imide	174899-90-2
1-Methyl-1-propylpyrrolidinium Bis(trifluoromethanesulfonyl)imide	223437-05-6
1,1,1-trifluoro-N-trifluoromethanesulfonyl-N-((N-trifluoromethanesulfonyltrifluoromethanesulfonamido)calcio)methanesulfonamide ($(TFSI)_2$-Ca)	165324-09-4
Choline bis(trifluoromethylsulfonyl)imide	827027-25-8
1-Dodecyl-3-methylimidazolium Bis(trifluoromethanesulfonyl)imide	404001-48-5
1-Ethyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide	223436-99-5
Diethylmethylsulfonium bis(trifluoromethylsulfonyl)imide	792188-85-3
Bis(trifluoromethylsulfonyl)azanide;mercury(2+) ($(TFSI)_2$-Hg)	104715-41-5
Cerium(III) Bis(trifluoromethanesulfonyl)imide (TFSI-Ce)	1046099-39-1
Cadmium bis{bis[(trifluoromethyl)sulfonyl]azanide} (TFSI-Cd)	1263295-73-3

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Bis(trifluoromethanesulfonyl)imide Lanthanum(III) Salt (TFSI-La)	168106-26-1
Scandium(III) bis(trifluoromethylsulfonyl)imide (TFSI-Sc)	176726-07-1
Yttrium(III) bis(trifluoromethanesulfonyl)imide (TFSI-Y)	189114-86-1
Vanadium tris(bis(trifluoromethanesulfon)imide) (TFSI-V)	207861-54-9
Iron(II) bis(trifluoromethanesulfonyl)imide (TFSI-Fe)	207861-57-2
Tin(II) bis(trifluoromethylsulfonyl)imide (TFSI-Sn)	460096-08-6
Cesium bis(trifluoromethanesulfonyl)imide (TFSI-Cs)	91742-16-4
Sodium bis(trifluoromethanesulfonyl)imide (TFSI-Na)	91742-21-1
TFMS, its salts	
Trifluoromethane sulfonic acid (TFMS)	1493-13-6
Trifluoromethane sulfonic acid Sodium salt (TFMS-Na)	2926-30-9
Silver trifluoromethanesulfonate (TFMS-Ag)	2923-28-6
Zinc trifluoromethanesulfonate (TFMS-Zn)	54010-75-2
Scandium trifluoromethanesulfonate (TFMS-Sc)	144026-79-9
Trifluoromethanesulfonic anhydride	358-23-6
Lithium trifluoromethanesulfonate (TFMS-Li)	33454-82-9
Copper(II) trifluoromethanesulfonate (TFMS-Cu)	34946-82-2
Barium trifluoromethanesulfonate (TFMS-Ba)	2794-60-7
Cerium(IV) trifluoromethanesulfonate (TFMS-Ce)	107792-63-2
Magnesium trifluoromethanesulfonate (TFMS-Mg)	60871-83-2
Potassium trifluoromethanesulfonate (TFMS-K)	2926-27-4
Nickel(II) Trifluoromethanesulfonate (TFMS-Ni)	60871-84-3
Tin(II) trifluoromethanesulfonate (TFMS-Sn)	62086-04-8
Yttrium(III) trifluoromethanesulfonate (TFMS-Y)	52093-30-8
Iron(III) trifluoromethanesulfonate (TFMS-Fe)	63295-48-7
Cerium(III) Trifluoromethanesulfonate (TFMS-Ce)	76089-77-5
Tetrabutylammonium trifluoromethanesulfonate	35895-70-6
Methyltrioctylammonium trifluoromethanesulfonate	121107-18-4
Imidazole trifluoromethanesulfonate	29727-06-8
Trifluoroacetyl Trifluoromethanesulfonate	68602-57-3
Lanthanum(III) trifluoromethanesulfonate(TFMS-La)	52093-26-2
Indium(III) trifluoromethanesulfonate(TFMS-In)	128008-30-0
Samarium(III) trifluoromethanesulfonate(TFMS-Sm)	52093-28-4
Ytterbium(III) trifluoromethanesulfonate(TFMS-Yb)	54761-04-5
Thulium(III) trifluoromethanesulfonate(TFMS-Tm)	141478-68-4
Tetraethylammonium trifluoromethanesulfonate	35895-69-3
1-Fluoro-3,5-dichloropyridinium triflate	107264-06-2
Triethylamine salt of trifluoromethanesulfonic acid	646-58-2
Triphenylphosphonium anhydride triflate	72450-51-2
N,N-Diethyl-6-(diethylamino)-9-(2-(methoxycarbonyl)phenyl)-3H-xanthene-3-ylideneammonium trifluoromethanesulfonate	120611-30-5

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Central Chemical Lab (CCL)
Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Diphenylammonium Trifluoromethanesulfonate	164411-06-7
1-(3-aminoazetidin-1-yl)prop-2-en-1-one, trifluoromethanesulfonic acid	2060047-56-3
Guanidine trifluoromethanesulfonic acid	153756-25-3
Trifluoromethanesulfonic acid--1-ethyl-1H-imidazole (1/1)	501693-46-5
Ruthenium(3+), (OC-6-22)-, salt with trifluoromethanesulfonic acid (1:3)	74468-24-9
O-Pivaloylhydroxylamine trifluoromethanesulfonate	1293990-73-4
Trifluoromethanesulfonyl chloride	421-83-0
(2-Pyridylmethyl)sulfonyl chloride triflate	882564-09-2
Trifluoromethanesulfonyl bromide	15458-53-4
Mercury(II) trifluoromethanesulfonate(TFMS-Hg)	49540-00-3
Dysprosium(III) tris(trifluoromethanesulfonate)(TFMS-Dy)	139177-62-1
Manganese bis(trifluoromethanesulfonate)(TFMS-Mn)	55120-76-8
Pentaammine(trifluoromethanesulfonato)osmium(III) triflate()	83781-30-0
Lutetium(III) trifluoromethanesulfonate(TFMS-Lu)	126857-69-0
Terbium(III) trifluoromethanesulfonate(TFMS-Tb)	148980-31-8
Neodymium(III) trifluoromethanesulfonate(TFMS-Nd)	34622-08-7
Ammonium trifluoromethanesulfonate(TFMS-NH_4)	38542-94-8
Holmium(III) trifluoromethanesulfonate(TFMS-Ho)	139177-63-2
Trifluoromethanesulfonate	37181-39-8
Praseodymium(III) trifluoromethanesulfonate(TFMS-Pr)	52093-27-3
Bismuth(III) trifluoromethanesulfonate(TFMS-Bi)	88189-03-1
Europium(III) trifluoromethanesulfonate(TFMS-Eu)	52093-25-1
Erbium(III) trifluoromethanesulfonate(TFMS-Er)	139177-64-3
Gallium(III) trifluoromethanesulfonate(TFMS-Ga)	74974-60-0
N,N,N-Triethyl-2,2,2-trifluoroethan-1-aminium trifluoromethanesulfonate	380230-73-9
Methanesulfonic acid, trifluoro-, calcium salt(TFMS-Ga)	55120-75-7
Thallium(1+) trifluoromethanesulfonate(TFMS-Tl)	73491-36-8
Hafnium(IV) Trifluoromethanesulfonate(TFMS-Hf)	161337-67-3
1-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- Pentadecafluorooctyl)pyridinium trifluoromethanesulfonate	25061-59-0
Tetrapropylammonium trifluoromethanesulphonate (TFMS-$N(C_3H_7)_4$)	35925-48-5
(Heptafluoropropyl)(phenyl)iodanium trifluoromethanesulfonate	77758-79-3
Phenyl(tridecafluorohexyl)iodanium trifluoromethanesulfonate	77758-84-0
(Heptadecafluorooctyl)(phenyl)iodanium trifluoromethanesulfonate	77758-89-5
(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)(phenyl)iodanium trifluoromethanesulfonate	82959-18-0

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Triethylmethylammonium triflate	90756-35-7
Pentafluoroanilinium trifluoromethanesulfonate	912823-79-1
Tributylmethylammonium trifluoromethanesulfonate	944557-37-3
PFPrS, its salts	
Perfluoropropanesulfonic acid (PFPrS)	423-41-6
Perfluoropropanesulfonic acid sodium salt (PFPrS-Na)	359868-82-9
PFHpSi, its salts	
Perfluoroheptane-1-sulfinic acid (PFHpSi)	769067-51-8
1-heptanesulfinic Acid Sodium Salt (PFHpSi-Na)	68555-66-8
PFOPA, its salts	
Perfluorooctyl phosphonic acid (PFOPA)	40143-78-0
(Heptadecafluorooctyl)phosphonic acid-4-methylaniline (1/1)	1263361-03-0
TFA, its salts	
Trifluoroacetic acid(TFA)	76-05-1
Sodium trifluoroacetate(TFA-Na)	2923-18-4
Thallium(III) trifluoroacetate(TFA-Tl)	23586-53-0
Lithium Trifluoroacetate(TFA-Li)	2923-17-3
Silver trifluoroacetate(TFA-Ag)	2966-50-9
Cesium Trifluoroacetate(TFA-Cs)	21907-50-6
Potassium trifluoroacetate(TFA-K)	2923-16-2
Ammoniumtrifluoroacetate(TFA-NH4)	3336-58-1
Mercury(II) trifluoroacetate(TFA-Hg)	13257-51-7
Palladium(II) trifluoroacetate(TFA-Pd)	42196-31-6
Trifluoroacetate / Trifluoroacetic acid anion(TFA anion)	14477-72-6
Dimethyl[trifluoroacetyl)oxy]sulfanium trifluoroacetate	57738-66-6
Aluminium tris(trifluoroacetate)(TFA-Al)	36554-89-9
Barium bis(trifluoroacetate)(TFA-Ba)	60884-92-6
Erbium tris(trifluoroacetate)(TFA-Er)	70236-99-6
Indium trifluoroacetate(TFA-In)	36554-90-2
Lanthanum tris(trifluoroacetate)(TFA-La)	70236-92-9
Nickel(2+) trifluoroacetate(TFA-Ni)	16083-14-0
Lead(II) trifluoroacetate(TFA-Pb)	4146-73-0
Acetic acid, trifluoro-, rhodium(2+) salt(TFA-Rh)	72654-51-4
Thulium tris(trifluoroacetate)(TFA-Tm)	70237-00-2
Ytterbium(3+) tris(trifluoroacetate)(TFA-Yb)	87863-62-5
Zinc bis(trifluoroacetate)(TFA-Zn)	21907-47-1
Ruthenium(II) 2,2,2-trifluoroacetate(TFA-Ru)	61612-84-8
Magnesium 2,2,2-trifluoroacetate(TFA-Mg)	123333-72-2
Copper(2+) trifluoroacetate(TFA-Cu)	123333-88-0
Methyltrioctylammonium trifluoroacetate	121107-16-2
Chromium(3+) tris(trifluoroacetate)(TFA-Cr)	16712-29-1

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Tetraethylammonium trifluoroacetate(TFA-N(C_2H_5)$_4$)	30093-29-9
Tetrabutylammonium trifluoroacetate(TFA-N(C_4H_9)$_4$)	39481-22-6
Europium(3+) trifluoroacetate-water (1/3/3)(TFA-Eu.H_2O)	94079-71-7
BETI, its salts	
Bis(pentafluoroethylsulfonyl)imide	152894-10-5
Lithium Bis(pentafluoroethanesulfonyl)imide	132843-44-8
Bis(perfluoroethylsulfonyl)imide anion	129318-46-3
Sodium bis((perfluoroethyl)sulfonyl)amide	152894-04-7
Potassium bis((perfluoroethyl)sulfonyl)amide	221203-22-1
1-Ethyl-3-methylimidazolium bis(perfluoroethylsulfonyl)imide	216299-76-2
PFDPA, its salts	
Perfluorodecylphosphonic acid (PFDPA)	52299-26-0
Perfluorodecylphosphonic Acid 4-Methylbenzamine	--
Perfluorodecylphosphonic Acid Di-4-toluidine Salt	--
PFHxPA, its salts	
Perfluorohexyl phosphonic acid	40143-76-8
Perfluorohexylphosphonic Acid 4-Methylbenzamine	1263361-02-9
HFAC, its salts	
Hexafluoroacetylacetone (HFAC)	1522-22-1
Strontium hexafluoroacetylacetonate (HFAC-Sr)	121012-89-3
Calcium hexafluoroacetylacetonate (HFAC-Ca)	121012-90-6
Bismuth(III) hexafluoroacetylacetonate (HFAC-Bi)	141364-06-9
Nickel(2+) bis(1,1,1,5,5,5-hexafluoro-2,4-dioxopentan-3- ide) (HFAC-Ni)	14949-69-0
Copper(II) hexafluoroacetylacetonate hydrate (HFAC- Cu·H_2O)	155640-85-0
Thorium hexafluoroacetylacetonate (HFAC-Th)	18865-75-3
Yttrium hexafluoroacetylacetonate (HFAC-Y)	18911-76-7
Erbium(III) hexafluoroacetylacetonate hydrate (HFAC- Er·H_2O)	18923-92-7
Scandium(III) hexafluoroacetylacetonate (HFAC-Sc)	18990-42-6
Cobalt(2+) bis[(2Z)-1,1,1,5,5,5-hexafluoro-4-oxo-2-penten- 2-olate] (HFAC-Co)	19648-83-0
Magnesium bis(1,1,1,5,5,5-hexafluoro-4-oxo-2-penten-2- olate) (HFAC-Mg)	19648-85-2
Manganese(2+) bis[(2Z)-1,1,1,5,5,5-hexafluoro-4-oxo-2- penten-2-olate] (HFAC-Mn)	19648-86-3
Sodium hexafluoroacetylacetonate (HFAC-Na)	22466-49-5
Caesium (2Z)-1,1,1,5,5,5-hexafluoro-4-oxo-2-penten-2- olate (HFAC-Cs)	22518-56-5
Barium hexafluoroacetylacetonate (HFAC-Ba)	314071-48-2
Indium hexafluoropentanedionate (HFAC-In)	34110-72-0
Tin(II) hexafluoroacetylacetonate (HFAC-Sn)	51319-99-4

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Palladium(II) hexafluoroacetylacetonate (HFAC-Pd)	64916-48-9
PFTriODA, its salts	
Perfluoro-(2,5,8-trimethyl-3,6,9-trioxadodecanoic) acid (PFTriODA)	65294-16-8
Perfluoro-(2,5,8-trimethyl-3,6,9-trioxadodecanoic) acid potassium salt	67963-77-3
Propanoic acid, 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propoxy]propoxy]-, ammonium salt (1:1)	--
PFDeDA, its salts	
Perfluorodecanedioic acid (PFDeDA)	307-78-8
Disodium;2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorodecanedioate	--
Dilithium;2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorodecanedioate	--
9H-PFNA, its salts	
9H-Perfluorononanoic acid (9H-PFNA)	76-21-1
Sodium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononanoate	--
Sodium 9-chloro-2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononanoate	--
potassium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononanoate	--
Potassium 9-chloroperfluorononanoate	1415963-94-8
Ammonium hexadecafluorononanoate	1868-86-6
Lithium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononanoate	--
Lithium 9-chloro-2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononanoate	--
HFPDSI, its salts	
1,1,2,2,3,3-Hexafluoropropane-1,3-disulfonimide (HFPDSI)	84246-29-7
Potassium 1,1,2,2,3,3-Hexafluoropropane-1,3-disulfonimide (HFPDSI-K)	588668-97-7
Lithium 1,1,2,2,3,3-Hexafluoropropane-1,3-disulfonimide (HFPDSI-Li)	189217-62-7

(2) Results of PFPeDA,PFHpDA, PFNDA, C_{20} PFCA, C_{21} PFCA were semi-quantified using a perfluoroalkanoic acid whose carbon-chain length is close to that of the analyte.
(3) The TPCH defines Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) as a class of chemical. There is no official list of PFAS from TPCH. Conclusion is made based on the tested PFAS substances which is agreed by the client.

备注：

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层, 003幢3号楼1层2区, 009幢4号楼1层2区, 009幢4号楼2-5层, 006幢5号楼1层, 004幢5号楼4层2区, 008幢7号楼1层4区, 008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

(1) ^=物质是指附表中列出的盐/衍生物。

物质名称	CAS No.
PFOS, 及其盐&衍生物	
全氟辛烷磺酸(PFOS)	1763-23-1
全氟辛基磺酸钾(PFOS-K)	2795-39-3
全氟辛基磺酸锂(PFOS-Li)	29457-72-5
全氟辛基磺酸钠(PFOS-Na)	4021-47-0
全氟辛基磺酸铵(PFOS-NH_4)	29081-56-9
全氟辛基磺酸二乙醇铵(PFOS-$NH_2(C_2H_4OH)_2$)	70225-14-8
全氟辛基磺酸四乙基铵(PFOS-$N(C_2H_5)_4$)	56773-42-3
全氟辛基磺酸二癸二甲基铵(PFOS-$N(C_{10}H_{21})_2(CH_3)_2$)	251099-16-8
全氟辛基磺酸四丁基铵(PFOS-$N(C_4H_9)_4$)	111873-33-7
全氟辛基磺酰氟(PFOS-F)	307-35-7
双[十七氟辛烷磺酸]镁(PFOS-Mg)	91036-71-4
全氟辛烷磺酸哌啶	71463-74-6
全氟辛烷磺酸盐	45298-90-6
全氟辛烷磺酸三乙基铵(PFOS-$NH(C_2H_5)_3$)	54439-46-2
全氟辛烷磺酸四甲基铵(PFOS-$N(CH_3)_4$)	56773-44-5
N, N,N-三丙基戊烷-1-七氟辛烷-1-磺酸铵(PFOS-$N(C_3H_7)_3(C_5H_{11})$)	56773-56-9
N,N-二丁基-N-甲基丁烷-1-胺十七氟辛烷-1-磺酸酯(PFOS-$N(C_4H_9)_3(CH_3)$)	124472-68-0
双[4-(1,1-二甲基乙基)苯基]-碘鎓与全氟-1-辛烷磺酸的盐(1:1)	213740-80-8
全氟-1-辛烷磺酸二苯基(2,4,6-三甲基苯基)锍	258341-99-0
全氟-1-辛烷磺酸1-十六烷基吡啶鎓	334529-63-4
N,N,N-三乙基癸-1-胺十七氟辛烷-1-磺酸盐	773895-92-4
全氟辛烷磺酸四丁基鏻 (PFOS-P ($C_4H_9)_4$))	2185049-59-4
全氟辛基磺酸二乙胺 (PFOS-$C_4H_{11}N$)	2205029-08-7
全氟辛基磺酸庚基二甲基-[2-(2-甲基丙-2-烯酰氧基)乙基]胺 (PFOS-$C_{15}H_{30}NO_2$)	1203998-97-3
全氟辛基磺酸酐(PFOSAN)	423-92-7
全氟辛基磺酰氯(PFOS-Cl)	423-60-9
FOSAA, 及其盐	
N-(全氟-1-辛烷磺酰基)甘氨酸(FOSAA)	2806-24-8
全氟辛烷磺酰氨基乙酸盐 (FOSAA(anion))	909405-47-6
全氟辛烷磺酰氨基乙酸钾 (FOSAA-K)	75260-69-4
全氟辛烷磺酰氨基乙酸钠 (FOSAA-Na)	115716-87-5
N-MeFOSAA, 及其盐	

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

N-甲基-N-(全氟-1-辛烷磺酰基)甘氨酸 (N-MeFOSAA)	2355-31-9
N-(十七氟辛基磺酰基)-N-甲基甘氨酸盐 (N-Me-FOSAA(anion))	909405-48-7
N-(十七氟辛基磺酰基)-N-甲基甘氨酸钾 (N-Me-FOSAA-K)	70281-93-5
六氯环己烷(N-甲基-(N-(全氟辛基磺酰)甘氨酸根-O1:O1'))二羟基三铬	97298-47-0
N-EtFOSAA, 及其盐	
N-乙基-N-(全氟-1-辛烷磺酰基)甘氨酸(N-EtFOSAA)	2991-50-6
N-乙基-N-[(十七烷氟辛基)磺酰基]-甘氨酸钾盐 (N-Et-FOSAA-K)	2991-51-7
N-乙基-N-((十七氟辛基)磺酰基)甘氨酸盐 (N-Et-FOSAA(anion))	909405-49-8
N-乙基-N-((十七氟辛基)磺酰基)甘氨酸铵 (N-Et-FOSAA-NH_4)	2991-52-8
N-乙基-N-((十七氟辛基)磺酰基)甘氨酸钠 (N-Et-FOSAA-Na)	3871-50-9
二水四氯[μ-[N-乙基-N-[(全氟辛基)磺酰]甘氨酸根-O1:O1']]-μ-羟基双[2-甲基丙醇]二铬	68891-96-3
PFOSA, 及其盐	
全氟辛基磺酰胺(PFOSA)	754-91-6
全氟辛基磺酰胺锂盐(1:1)(PFOSA-Li)	76752-79-9
全氟辛基磺酰胺钠盐 (1:1) (PFOSA-Na)	76752-78-8
全氟辛基磺酰胺钾盐 (1:1) (PFOSA-K)	76752-70-0
全氟辛基磺酰胺铵盐 (1:1) (PFOSA-NH_4)	76752-72-2
全氟辛基磺酰胺三乙胺 (PFOSA-$C_6H_{15}N$)	76752-82-4
PFOA, 及其盐&衍生物	
全氟辛酸(PFOA)	335-67-1
全氟辛酸钠(PFOA-Na)	335-95-5
全氟辛酸钾(PFOA-K)	2395-00-8
全氟辛酸银(PFOA-Ag)	335-93-3
全氟辛酰氟(PFOA-F)	335-66-0
全氟辛酸铵(APFO)	3825-26-1
全氟辛酸锂(PFOA-Li)	17125-58-5
全氟辛酸钴(PFOA-Co)	35965-01-6
全氟辛酸铯(PFOA-Cs)	17125-60-9
全氟辛酸铬(3+) (PFOA-Cr(3+))	68141-02-6
全氟辛酸-哌嗪(2:1) (PFOA-NH($C_4H_{10}N$))	423-52-9
全氟辛酸盐	45285-51-6
全氟辛酸酐	33496-48-9
全氟辛酸四乙基胺	98241-25-9
全氟辛酸四甲基胺	32609-65-7
全氟辛酸四丙基胺	277749-00-5

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

全氟辛酸钾水合物(PFOA-K(H_2O)$_2$)	98065-31-7
全氟辛酸乙胺(PFOA-C_2H_7N)	1376936-03-6
全氟辛酸吡啶(PFOA-C_5H_5N)	95658-47-2
全氟辛酸苯基哌嗪(PFOA-$C_{10}H_{14}N_2$)	1514-68-7
全氟辛酸辛基三甲基铵(PFOA-$C_{11}H_{26}N$)	927835-01-6
全氟辛酰氯(PFOA-Cl)	335-64-8
全氟辛酰溴(PFOA-Br)	222037-87-8
8:2 FTS, 及其盐	
1H,1H,2H,2H-全氟癸烷磺酸(8:2 FTS)	39108-34-4
1H,1H,2H,2H-全氟癸磺酸钾(8:2 FTS-K)	438237-73-1
1H,1H,2H,2H-全氟癸磺酸铵(8:2 FTS-NH_4)	149724-40-3
1H,1H,2H,2H-全氟癸磺酸钠(8:2 FTS-Na)	27619-96-1
1H,1H,2H,2H-全氟癸磺酸盐 (8:2 FTS(anion))	481071-78-7
1H,1H,2H,2H-全氟癸磺酰氯 (8:2 FTS-Cl)	27619-90-5
8:2 FTCA, 及其盐	
2H,2H-全氟癸酸(8:2 FTCA)	27854-31-5
四丁基磷2H,2H-全氟癸酸酯(8:2 FTCA-P(C_4H_9)$_4$)	882489-14-7
8:2diPAP, 及其盐	
双[2-(全氟辛基)]乙基磷酸酯(8:2diPAP)	678-41-1
双[2-(全氟辛基)]乙基磷酸酯钠(8:2diPAP-Na)	114519-85-6
双(2-羟乙基)铵双(全氟辛基)乙基)磷酸氢	57677-97-1
双[2-(全氟辛基)]乙基磷酸酯铵盐(8:2 diPAP-NH_4)	93776-20-6
8:2氟调聚物磷酸二酯离子	1411713-91-1
8:3 FTCA, 及其盐	
2H,2H,3H,3H-全氟十一烷酸(8:3 FTCA)	34598-33-9
2H,2H,3H,3H-全氟十一烷酸钾(8:3 FTCA-K)	83310-58-1
2H,2H,3H,3H-全氟十一酸锂(8:3 FTCA-Li)	67304-23-8
8:8 PFPi,及其盐	
8:8全氟次膦酸 (8:8 PFPi)	40143-79-1
8:8 全氟次膦酸钠盐 (8:8 PFPi-Na)	500776-69-2
8:8 全氟次膦酸铒(3+)盐 (8:8 PFPi-Er)	500776-70-5
8:8 全氟次膦酸镱(3+)盐 (8:8 PFPi-Yb)	500776-71-6
8:2 monoPAP, 及其盐	
单[2-(全氟辛基)乙基]磷酸盐 (8:2 monoPAP)	57678-03-2
8:2氟调聚物磷酸二铵盐	93857-44-4
8:2氟调聚物磷酸钠盐	438237-75-3
双[2-(全氟辛基)乙基]磷酸铵盐	1764-95-0

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国·浙江·宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

单[2-(全氟辛基)乙基]磷酸铵盐	92401-44-0
单[2-(全氟辛基)乙基]磷酸单钠盐	144965-22-0
单[2-(全氟辛基)乙基]磷酸单钾盐	150033-28-6
单[2-(全氟辛基)乙基]磷酸氢铵盐	2353-52-8
PFNA, 及其盐	
全氟壬酸(PFNA)	375-95-1
全氟壬酸钠(PFNA-Na)	21049-39-8
全氟壬酸铵(PFNA-NH_4)	4149-60-4
全氟壬酸钾(PFNA-K)	21049-38-7
全氟壬酸锂(PFNA-Li)	60871-92-3
全氟壬酸银(PFNA-Ag)	7358-16-9
全氟壬酸甲烷铵(PFNA-$NH_3(CH_3)$)	77032-23-6
全氟壬酸-N-乙基乙胺(1:1) (PFNA-$NH_2(C_2H_5)_2$))	77032-27-0
全氟壬酸-N-甲基甲胺(1:1) (PFNA-$NH_2(CH_3)_2$)	77032-24-7
全氟壬酸-N，N-二乙基乙酰胺(1:1) (9Cl) (PFNA-$NH(C_2H_5)_3$))	327176-80-7
全氟壬酸-哌啶(1:1) (9Cl) (PFNA-$NH_2(C_5H_{10})$)	95682-66-9
全氟壬酸-苯胺(1:1) (PFNA-$NH_3(C_6H_5)$)	95682-67-0
全氟壬酸-环己胺(1:1) (9Cl) ((PFNA-$NH_3(C_6H_{11})$)	328531-06-2
全氟壬酸盐	72007-68-2
全氟壬酸磺胺甲氧基哒嗪(PFNA-$C_{11}H_{12}N_4O_3S$)	298703-33-0
全氟壬酸酐(PFNAA)	228407-54-3
全氟壬酰氯(PFNA-Cl)	52447-23-1
全氟壬酰氟(PFNA-F)	558-95-2
全氟壬酰溴(PFNA-Br)	261503-42-8
PFDA, 及其盐	
全氟癸酸(PFDA)	335-76-2
全氟癸酸钠(PFDA-Na)	3830-45-3
全氟癸酸铵(PFDA-NH_4)	3108-42-7
全氟癸酸钾(PFDA-K)	51604-85-4
全氟癸酸银(PFDA-Ag)	5784-82-7
全氟癸酸锂(PFDA-Li)	84743-32-8
全氟癸酸盐	73829-36-4
全氟癸酸酐 (PFDAA)	942199-24-8
全氟癸酰氯(PFDA-Cl)	307-38-0
全氟癸酰氟(PFDA-F)	--
PFUnDA, 及其盐	
全氟十一烷酸(PFUnDA)	2058-94-8

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

全氟十一烷酸钠(PFUnDA-Na)	60871-96-7
全氟十一烷酸铵(PFUnDA-NH_4)	4234-23-5
全氟十一烷酸钾(PFUnDA-K)	30377-53-8
全氟十一烷酸钙(PFUnDA-Ca)	97163-17-2
全氟十一烷酸盐	196859-54-8
PFDoDA, 及其盐	
全氟十二烷酸(PFDoDA)	307-55-1
全氟十二烷铵(PFDoDA-NH_4)	3793-74-6
全氟十二烷酸盐	171978-95-3
全氟十二烷酸钠(PFDoDA-Na)	307-67-5
PFTrDA, 及其盐	
全氟十三烷酸(PFTrDA)	72629-94-8
全氟十三烷酸铵(PFTrDA-NH_4)	4288-72-6
全氟十三烷酸钠 (PFTrDA-Na)	60872-01-7
全氟十三烷酸盐	862374-87-6
PFTDA, 及其盐	
全氟十四烷酸(PFTDA)	376-06-7
全氟十四烷酸盐	365971-87-5
PFDS, 及其盐	
全氟癸烷磺酸(PFDS)	335-77-3
全氟癸烷磺酸钠(PFDS-Na)	2806-15-7
全氟癸烷磺酸钾(PFDS-K)	2806-16-8
全氟癸基磺酸铵(PFDS-NH_4)	67906-42-7
全氟癸基磺酸盐	126105-34-8
全氟癸烷磺酸酐 (PFDSA)	51667-62-0
全氟癸烷磺酰氟(PFDS-F)	307-51-7
全氟癸烷磺酰氯(PFDS-Cl)	32779-61-6
10:2 FTS, 及其盐	
1H,1H,2H,2H-全氟十二烷磺酸(10:2 FTS)	120226-60-0
1H,1H,2H,2H-全氟十二烷磺酸钠 (10:2 FTS-Na)	108026-35-3
1H,1H,2H,2H-全氟十二烷磺酰氯(10:2 FTS-Cl)	27619-91-6
PFNS, 及其盐	
全氟壬烷磺酸(PFNS)	68259-12-1
全氟壬烷磺酸钠(PFNS-Na)	98789-57-2
全氟壬烷磺酸铵(PFNS-NH_4)	17202-41-4
全氟壬烷磺酸钾(PFNS-K)	29359-39-5
全氟壬烷磺酸盐	474511-07-4

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

全氟壬烷磺酰氟(PFNS-F)	68259-06-3
PFUnDS, 及其盐	
全氟十一烷磺酸(PFUnDS)	749786-16-1
全氟十一烷磺酸盐	441296-91-9
PFDoDS, 及其盐	
全氟十二烷磺酸(PFDoDS)	79780-39-5
全氟十二烷磺酸钠(PFDoDS-Na)	1260224-54-1
全氟十二烷磺酸钾(PFDoDS-K)	85187-17-3
全氟十二烷磺酸盐	343629-43-6
PFTrDS, 及其盐	
全氟十三烷磺酸(PFTrDS)	791563-89-8
全氟十三烷磺酸钠(PFTrDS-Na)	174675-49-1
10:2 diPAP, 及其盐	
双[2-(全氟癸基)乙基]磷酸盐(10:2 diPAP)	1895-26-7
2,2'-亚氨基二乙醇双[2-(全氟癸基)乙基]磷酸盐 (10:2 diPAP-$C_4H_{11}O_2$)	57677-98-2
10:2 monoPAP, 及其盐	
单[2-(全氟癸基)乙基]磷酸酯 (10:2 monoPAP)	57678-05-4
单[2-(全氟癸基)乙基]磷酸双铵盐	93857-45-5
二十一氟十二烷基磷酸二氢酯环己铵盐	2514858-66-1
PFHxS, 及其盐&衍生物	
全氟己基磺酸(PFHxS)	355-46-4
全氟己基磺酸钠(PFHxS-Na)	82382-12-5
全氟己基磺酸钾(PFHxS-K)	3871-99-6
全氟己基磺酸锂(1:1)(PFHxS-Li)	55120-77-9
全氟己基磺酸铵(PFHxS-NH_4)	68259-08-5
全氟己基磺酸三苯基(苯基甲基)-磷鎓盐(PFHxS-BTPP)	1000597-52-3
N,N,N-三丁基丁烷-1-胺全氟己基磺酸盐(PFHxS-N(C_4H_9)$_4$)	108427-54-9
N, N,N-三乙基乙胺全氟己基磺酸盐(PFHxS-N(C_2H_5)$_4$)	108427-55-0
全氟己基磺酸与四氢吡咯络合物(PFHxS-NC_4H_9)	1187817-57-7
全氟-1-己基磺酸-N-[4-[[4-(二乙基氨基)苯基][4-(乙基氨基)-1-萘基]亚甲基]-2,5-环己二烯-1-亚基]-N-乙基-乙铵盐(PFHxS-($NC_{10}H_{14}$)$_3C_5H_4$)	1310480-24-0
全氟-1-己基磺酸-N-[4-[[4-(二甲基氨基)苯基][4-(乙基氨基)-1-萘基]亚甲基]-2,5-环己二烯-1-亚基]-N-甲基-甲基铵盐(PFHxS-(NC_8H_{10})$_2C_{13}H_{12}$)	1310480-27-3
全氟-1-己基磺酸-N-[4-[[4-(二甲基氨基)苯基][4-(苯基氨基)-1-萘基]	1310480-28-4

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

亚甲基]-2,5-环己二烯-1-亚基]-N-甲基-甲基铵盐(PFHxS-$(NC_8H_{10})_2C_{17}H_{12}$)	
全氟己基磺酸与β-环糊精络合物(PFHxS-$C_{42}H_{70}O_{35}$)	1329995-45-0
全氟己基磺酸与γ-环糊精络合物(PFHxS-$C_{48}H_{80}O_{40}$)	1329995-69-8
全氟己基磺酸三苯基硫鎓盐(TPS-PFHxS)	144116-10-9
全氟己基磺酸喹啉, 1-(羧甲基)-4-[2-[4-[4-(2,2-二苯基噻吩基)苯基]-1,2,3a,4,8b-六氢环戊并[b]吲哚-7-基]乙烯基]盐(PFHxS-$C_{44}H_{37}N_2O_2$)	1462414-59-0
全氟己基磺酸二苯基碘鎓盐(PFHxS-I$(C_6H_5)_2$)	153443-35-7
N,N,N-三甲基-全氟己基磺酸甲基铵盐(PFHxS-TMA)	189274-31-5
全氟己基磺酸与2-甲基-2-丙胺络合物(1:1)(PFHxS-$NH_2(CH_3)_3$)	202189-84-2
全氟己基磺酸双[4-(1,1-二甲基乙基)苯基]碘鎓盐(PFHxS-I$(C_6H_4)_2(C_4H_9)_2$)	213740-81-9
全氟己基磺酸镓(9Cl)(PFHxS-Ga)	341035-71-0
全氟己基磺酸双(4-甲基苯基)苯基硫鎓盐(1:1)(PFHxS-S$(C_7H_7)_2C_6H_5$)	341548-85-4
全氟己基磺酸钪(PFHxS-Sc)	350836-93-0
全氟己基磺酸钕(PFHxS-Nd)	41184-65-0
全氟己基磺酸钇(PFHxS-Y)	41242-12-0
全氟己基磺酸(硫代二-4,1-亚苯基)双[二苯基]硫鎓盐(PFHxS-$S_3(C_6H_5)_4(C_6H_4)_2$)	421555-73-9
全氟己基磺酸双[4-(1,1-二甲基丙基)苯基]碘鎓盐(PFHxS-I$(C_6H_4)_2(C_5H_{11})_2$)	421555-74-0
全氟己基磺酰氟(PFHxS-F)	423-50-7
全氟己基磺酸三[4-(1,1-二甲基乙基)苯基]硫鎓盐(PFHxS-S$(C_6H_4)_3(C_4H_9)_3$)	425670-70-8
全氟己基磺酸锌(PFHxS-Zn)	70136-72-0
全氟己基磺酸与2,2'-亚氨二乙醇络合物(PFHxS-NH$(C_2H_5O)_2$)	70225-16-0
全氟己基磺酸与三乙胺络合物(1:1)(PFHxS-N$(C_2H_5)_3$)	72033-41-1
全氟己基磺酸双[(1,1-二甲基乙基)苯基]碘鎓盐(PFHxS-I$(C_6H_4)_2(C_4H_9)_2$)	866621-50-3
全氟己基磺酸(4-甲基苯基)二苯硫鎓盐(PFHxS-S$(C_6H_5)_2C_7H_7$)	910606-39-2
全氟己基磺酸[4-[(2-甲基-1-氧代-2-丙烯酰)氧基]苯基]二苯基硫鎓盐(PFHxS-S$(C_6H_5)_2C_{10}H_9O_2$)	911027-68-4
全氟己基磺酸铯(1:1)(PFHxS-Cs)	92011-17-1
二苯并[k,n][1,4,7,13]四氧杂硫环戊二烯,19-[4-(1,1-二甲基乙基)苯基]-6,7,9,10,12,13-六氢-,全氟己基磺酸盐(PFHxS-$SC_{28}H_{31}O_4$)	928049-42-7
全氟己基磺酰氯(PFHxS-Cl)	55591-23-6

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国·浙江·宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

PFHxS-磺酸酯聚合物	911027-69-5
全氟己基磺酸盐	108427-53-8
全氟己基磺酸四丁基鏻 (PFHxS-P(C_4H_9)$_4$))	2310194-12-6
EtFHxSAA，及其盐	
N-乙基-N-[(十三氟己基)磺酰基]甘氨酸(EtFHxSAA)	68957-32-4
N-乙基-N-[(十三氟己基)磺酰基]甘氨酸钾(EtFHxSAA-K)	67584-53-6
N-乙基-N-((十三氟己基)磺酰基)甘氨酸钠(EtFHxSAA-Na)	68555-70-4
PFHxA, 及其盐&衍生物	
全氟己酸(PFHxA)	307-24-4
全氟己酸铵(APFHx)	21615-47-4
全氟己酸钠(PFHxA-Na)	2923-26-4
全氟己酸钾(PFHxA-K)	3109-94-2
全氟己酰氟(PFHxA-F)	355-38-4
全氟己酸银(PFHxA-Ag)	336-02-7
全氟己酸锂(PFHxA-Li)	90430-61-8
全氟己酸酐	308-13-4
全氟己酸哌嗪(2:1)	423-47-2
全氟己酸盐	92612-52-7
全氟己酰氯(PFHxA-Cl)	335-53-5
全氟己酰溴(PFHxA-Br)	1404193-66-3
全氟己酸己胺(PFHxA-$C_6H_{15}N$)	565225-91-4
全氟己酸苯基哌嗪(PFHxA-$C_{10}H_{14}N_2$)	985-60-4
6:2 FTS, 及其盐	
1H,1H,2H,2H-全氟辛磺酸(6:2 FTS)	27619-97-2
1H,1H,2H,2H-全氟辛烷磺酸钠(6:2 FTS-Na)	27619-94-9
1H,1H,2H,2H-全氟辛烷磺酸钾(6:2 FTS-K)	59587-38-1
1H,1H,2H,2H-全氟辛烷磺酸铵(6:2 FTS-NH_4)	59587-39-2
1H,1H,2H,2H-全氟辛磺酸钡(6:2 FTS-Ba)	1807944-82-6
1H,1H,2H,2H-全氟辛磺酸盐(6:2FTS(anion))	425670-75-3
1H,1H,2H,2H-全氟辛磺酰氯(6:2 FTS-Cl)	27619-89-2
1H,1H,2H,2H-全氟辛磺酰氟(6:2 FTS-F)	--
6:2 monoPAP, 及其盐	
6:2磷酸氟调聚物单酯(6:2 monoPAP)	57678-01-0
6:2磷酸氟调聚物单酯二铵盐(6:2 monoPAP-NH_4NH_4)	1000852-37-8
6:2 FTPA, 及其盐	
全氟己基乙基膦酸(6:2 FTPA)	252237-40-4

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

全氟己基乙基膦酸钠(Cheminox FHP$_2$OH-Na(PFHXPA-Na))	1189052-95-6
6:6 PFPi, 及其盐	
6:6 全氟次膦酸(6:6 PFPi)	40143-77-9
6:6 全氟次膦酸钠盐(6:6 PFPi-Na)	70609-44-8
6:6 全氟次膦酸镱(3+)盐(6:6 PFPi-Yb)	500776-72-7
6:6 全氟次膦酸铒(3+)盐(6:6 PFPi-Er)	500776-73-8
PFBA, 及其盐	
全氟丁酸(PFBA)	375-22-4
七氟丁酸铵(PFBA-NH$_4$)	10495-86-0
七氟丁酸钠(PFBA-Na)	2218-54-4
七氟丁酸钾(PFBA-K)	2966-54-3
七氟丁酸银(PFBA-Ag)	3794-64-7
全氟丁酸锂(PFBA-Li)	4146-76-3
七氟丁酸哌嗪(1:1)	375-04-2
全氟丁酸盐	45048-62-2
全氟丁酸 4-氯重氮苯六氟磷酸盐(PFBA-C$_6$H$_4$ClF$_6$N$_2$P)	--
全氟正丁酸苯基哌嗪(1:1) (PFBA-C$_{10}$H$_{14}$N$_2$)	2263-11-8
全氟正丁酸酐(PFBAA)	336-59-4
全氟正丁酸钙(PFBA-Ca)	2366-98-5
全氟正丁酸铑 Rhodium(II) (PFBA-Rh)	73755-28-9
全氟丁酰氯(PFBA-Cl)	375-16-6
全氟丁酰氟(PFBA-F)	335-42-2
全氟丁酰溴(PFBA-Br)	375-13-3
4-氯苯二氮铵全氟丁酸酯全氟丁酸(1:1:1)	--
N5-(5-羟基-4,6-二甲基嘧啶-2-基)-L-鸟氨酸-七氟丁酸(1/2)	936233-19-1
PFBS, 及其盐&衍生物	
全氟丁磺酸(PFBS)	375-73-5
全氟丁基磺酸钾(PFBS-K)	29420-49-3
全氟丁基磺酸水合物(PFBS-H$_2$O)	59933-66-3
九氟-1-丁烷磺酸锂(PFBS-Li)	131651-65-5
全氟丁基磺酸三苯基锍盐(TPS-PFBS)	144317-44-2
全氟丁基磺酸二甲基(苯基)锍(PFBS-S(CH$_3$)$_2$(C$_6$H$_5$)	220133-51-7
全氟丁基磺酸四丁基鏻(PFBS-P(C$_4$H$_9$)$_4$)	220689-12-3
N,N,N-三乙基乙醇胺全氟丁基磺酸(PFBS-N(C$_2$H$_5$)$_4$)	25628-08-4
全氟丁基磺酰氟(PFBS-F)	375-72-4
全氟丁磺酸吗啉(PFBS-NC$_4$H$_9$O)	503155-89-3

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

全氟丁基磺酸镁(PFBS-Mg)	507453-86-3
全氟丁基磺酸铵(PFBS-NH_4)	68259-10-9
1-(4-丁氧基-1-萘基)四氢噻吩全氟丁基磺酸盐(PFBS-$SC_{18}H_{23}O$)	209482-18-8
全氟丁基磺酰氯(PFBS-Cl)	2991-84-6
全氟丁基磺酸钠(PFBS-Na)	60453-92-1
全氟-1-丁磺酸双(4-叔丁基苯基)碘鎓(PFBS-I(C_6H_4)$_2$(C_4H_9)$_2$)	194999-85-4
1,1,2,2,3,4,4,4-一氟丁烷-1-磺酸与2,2'-亚氨基二乙醇的化合物(1:1)(PFBS-NH(C_2H_5O)$_2$)	70225-18-2
全氟丁基磺酸四丁基铵((PFBS-N(C_4H_9)$_4$))	108427-52-7
全氟丁基磺酸二苯碘((PFBS-I(C_6H_5)$_2$))	194999-82-1
全氟丁基磺酸三(4-叔丁基苯基)锍	241806-75-7
全氟丁基磺酸(4-环己基苯基)(二苯基)锍	425670-64-0
全氟丁基磺酸1-(1-甲基-1H-吲哚-3-基)硫醇-1-鎓	867373-18-0
全氟丁基磺酸1-乙基-3-甲基吡啶鎓	1015420-87-7
全氟丁基磺酸1-甲基-3-辛基咪唑鎓	905972-83-0
全氟丁基磺酸1-己基-3-甲基咪唑鎓	1001557-05-6
全氟丁基磺酸N,N-二甲基-N-(丙-2-基)丙-2-胺	374571-81-0
全氟丁基磺酸[4-(2-叔丁氧基-2-氧代乙氧基)苯基](二苯基) (1:1)	857285-80-4
全氟丁基磺酸N,N-二丁基-N-甲基丁烷-1-胺(1:1)	124472-66-8
全氟丁基磺酸锌(2:1)(PFBS-Zn)	502457-69-4
全氟丁基磺酸N,N,N-三丙基戊烷(1:1)	56773-55-8
全氟丁基磺酸四甲基铵盐 (PFBS-N(CH_3)$_4$)	25628-17-5
全氟丁烷磺酸酐	36913-91-4
全氟丁基磺酸盐	45187-15-3
1-(4-丁氧基-1-萘基)九氟丁烷-1-磺酸四氢噻吩	EC: 468-770-4
全氟丁基磺酸三乙基铵	182059-38-7
N-(2-羟乙基)-N,N-二甲基-1-辛铵全氟-1-丁磺酸盐(1:1)	334529-55-4
全氟丁基磺酸1-十六烷基吡啶鎓	334529-62-3
全氟丁基磺酸1-丁基吡啶鎓	334529-64-5
N-甲基-N,N-二辛基-1-辛铵全氟-1-丁磺酸盐	495417-51-1
三(4-甲基苯基)磺与全氟-1-丁磺酸的盐(1:1)	722538-68-3
N-乙基-N-甲基-N-丙基铵全氟丁磺酸酯	1186599-90-5
[4-(2-甲基丙基)苯基]-二苯基磺铵;1,1,2,2,3,3,4,4,4-壬氟丁烷-1-磺酸盐	1375211-36-1
二苯基 4-叔丁基苯基磺铵壬氟丁磺酸盐	258872-05-8
二苯基(4-甲基苯基)九氟丁磺酸盐	284474-28-8
三甲基硅基全氟丁基磺酸酯	68734-62-3

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

PFPeA, 及其盐	
全氟戊酸(PFPeA)	2706-90-3
全氟戊酸钠(PFPeA-Na)	2706-89-0
全氟戊酸钾(PFPeA-K)	336-23-2
全氟戊酸锂(PFPeA-Li)	198482-22-3
全氟戊酸银(PFPeA-Ag)	2795-30-4
全氟戊酸铵(PFPeA-NH_4)	68259-11-0
全氟戊酸盐	45167-47-3
全氟戊酸苄基硫脲 (PFPeA-$C_8H_{10}N_2S$)	64808-55-5
全氟戊酸酐 (PFPeAA)	308-28-1
全氟戊酰氯(PFPeA-Cl)	375-60-0
全氟戊酰氟(PFPeA-F)	375-62-2
全氟戊酰溴(PFPeA-Br)	159623-35-5
HPFHpA, 及其盐	
7H-十二氟庚酸(HPFHpA)	1546-95-8
7H-十二氟庚酸钠(HPFHpA-Na)	2264-25-7
7H-十二氟庚酸铵(HPFHpA-NH_4)	376-34-1
7H-十二氟庚酸盐 (HPFHpA(anion))	69681-35-2
7H-十二氟庚酸钾(HPFHpA-K)	--
7H-十二氟庚酸锂(HPFHpA-Li)	--
7H-十二氟庚酰氯(HPFHpA-Cl)	41405-35-0
7H-十二氟庚酰氟 (HPFHpA-F)	5927-65-1
7H-十二氟庚酰溴 (HPFHpA-Br)	141893-84-7
PFHpS, 及其盐	
全氟庚烷磺酸(PFHpS)	375-92-8
全氟庚基磺酸钠(PFHpS-Na)	21934-50-9
全氟庚基磺酸钾(PFHpS-K)	60270-55-5
全氟庚磺酸酸铵(PFHpS-NH_4)	68259-07-4
全氟庚烷磺酸锂(PFHpS-Li)	117806-54-9
全氟庚烷磺酸-双(2-羟乙基)铵(1:1)	70225-15-9
全氟庚烷磺酸盐	146689-46-5
全氟庚烷磺酸三乙基铵	72033-40-0
全氟庚烷磺酸四乙基铵	439863-97-5
全氟庚烷磺酸酐(PFHpSA)	140429-92-1
全氟庚烷磺酰氟(PFHpS-F)	335-71-7
全氟庚烷磺酰氯(PFHpS-Cl)	33018-82-5
PFHpA, 及其盐	

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

全氟庚酸(PFHpA)	375-85-9
全氟庚酸钠(PFHpA-Na)	20109-59-5
全氟庚酸钾(PFHpA-K)	21049-36-5
全氟庚酸铵(PFHpA-NH_4)	6130-43-4
全氟庚酸铯(PFHpA-Cs)	171198-24-6
全氟庚酸银(PFHpA-Ag)	424-05-5
全氟庚酸锂(PFHpA-Li)	60871-90-1
全氟庚酸盐	120885-29-2
全氟正庚酸酐(PFHpAA)	78225-99-7
全氟庚酰氯(PFHpA-Cl)	52447-22-0
全氟庚酰氟(PFHpA-F)	375-84-8
HFPO-DA, 及其盐&衍生物	
2,3,3,3-四氟-2-(七氟丙氧基)丙酸(HFPO-DA)	13252-13-6
2,3,3,3-四氟-2-(七氟丙氧基)丙酸铵(HFPO-DA-NH_4)	62037-80-3
2,3,3,3-四氟-2-(七氟丙氧基)丙酸钾(HFPO-DA-K)	67118-55-2
2,3,3,3-四氟-2-(七氟丙氧基)丙酸酰基氟化物(HFPO-DA-F)	2062-98-8
2,3,3,3-四氟-2-(七氟丙氧基)-, (+)-丙酸	75579-39-4
2,3,3,3-四氟-2-(七氟丙氧基)-,(-)-丙酸	75579-40-7
2,3,3,3-四氟-2-(七氟丙氧基)丙酸钠	67963-75-1
全氟(2-丙氧基丙酸酯)	122499-17-6
2,3,3,3-四氟-2-(七氟丙氧基)丙酸-N-丙基丙烷-1-胺(1/1)	165951-17-7
全氟-2-丙氧基丙酸三乙胺	165951-18-8
4-[(6-甲氧基-3-哒嗪基)氨磺酰基]2,3,3,3-四氟-2-(七氟丙氧基)丙酸苯胺	298703-31-8
2,3,3,3-四氟-7-(七氟丙氧基)丙酸(1-甲基哌啶-3-基)2,3,6-三碘苯甲酸甲酯 (HFPO-$C_{14}H_{16}I_3NO_2$)	2412106-69-3
4:2 FTS, 及其盐	
1H,1H,2H,2H-全氟己烷磺酸(4:2 FTS)	757124-72-4
1H,1H,2H,2H-全氟己烷磺酸钠	27619-93-8
1H,1H,2H,2H-全氟己烷磺酸盐(4:2 FTS(anion))	414911-30-1
5:3 FTCA, 及其盐	
3-全氟戊基丙酸 (5:3 FTCA)	914637-49-3
2H,2H,3H,3H全氟辛酸盐(5:3 FTCA(anion))	1799325-94-2
PFPeS, 及其盐	
全氟戊磺酸(PFPeS)	2706-91-4
全氟戊磺酸钠(PFPeS-Na)	630402-22-1
全氟戊磺酸钾(PFPeS-K)	3872-25-1

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

全氟戊磺酸铵(PFPeS-NH_4)	68259-09-6
全氟戊磺酸-双(2-羟乙基)铵	70225-17-1
全氟戊磺酸锂(PFPeS-Li)	1046864-81-6
全氟戊磺酸盐	175905-36-9
全氟戊磺酸三乙基铵	72033-42-2
全氟戊烷磺酸酐(PFPeSA)	161877-72-1
PFHxDA, 及其盐	
全氟十六烷酸(PFHxDA)	67905-19-5
全氟十六烷酸盐 (PFHxDA(anion))	1214264-30-8
PFODA, 及其盐	
全氟十八烷酸(PFODA)	16517-11-6
全氟十八烷酸盐(PFODA(anion))	798556-82-8
2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-三十五氟十八烷酸钾盐	--
2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-三十五氟十八烷酸钠盐	--
2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-三十五氟十八烷酸锂盐	--
ADONA,及其盐	
4,8-二氧-3H-全氟壬酸(ADONA)	919005-14-4
4,8-二氧杂-3H-全氟壬酸铵(ADONA-NH_4)	958445-44-8
4,8-二氧杂-3H-全氟壬酸钠(ADONA-Na)	2250081-67-3
4,8-二氧-3H-全氟壬酸钾 (ADONA-K)	1087271-46-2
4,8-二氧-3H-全氟壬酸盐 (ADONA (anion))	2127366-90-7
PFMPA,及其盐	
全氟-3-甲氧基丙酸(PFMPA)	377-73-1
2,2,3,3-四氟-3-(三氟甲氧基)丙酸酐 (PFMPAA)	42566-65-4
9Cl-PF_3ONS,及其盐	
9-氯十六氟-3-氧代壬烷-1-磺酸(9Cl-PF_3ONS)	756426-58-1
9-氯十六氟-3-氧代壬烷-1-磺酸钾 (9Cl-PF_3ONS-K)	73606-19-6
9-氯十六氟-3-氧代壬烷-1-磺酸铵 (9Cl-PF_3ONS-NH_4)	1383434-28-3
9-氯-3-氧杂全氟壬烷磺酸盐 (9Cl-PF_3ONS (anion))	1621485-21-9
11Cl-PF_3OUdS, 及其盐	
11-氯二十碳氟-3-氧十一烷-1-磺酸(11Cl-PF_3OUdS)	763051-92-9
11-氯二十碳氟-3-氧十一烷-1-磺酸钾(11Cl-PF_3OUdS-K)	83329-89-9
11-氯-3-氧杂全氟十一烷磺酸盐 (11Cl-PF_3OUdS (anion))	2196242-82-5
PFEESA, 及其盐	

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

全氟(2-乙氧基乙烷)磺酸 (PFEESA)	113507-82-7
全氟(2-乙氧基乙烷)磺酸钾 (PFEESA-K)	117205-07-9
全氟(2-乙氧基乙烷)磺酸钠 (PFEESA-Na)	113507-87-2
3:3 FTCA, 及其盐	
3-全氟丙基丙酸 (3:3 FTCA)	356-02-5
4,4,5,6,6,6-七氟己酸盐 (3:3 FTCA(anion))	1169706-83-5
2H,2H,3H,3H-全氟己酸钠(3:3 FTCA-Na)	1207462-13-2
PFPeDA, 及其盐	
全氟十五烷酸(PFPeDA)	141074-63-7
全氟十五烷酸盐(PFPeDA(anion))	1214264-29-5
PFBSA, 及其盐	
九氟丁烷磺酰胺(PFBSA)	30334-69-1
九氟丁烷磺酰胺铵盐(PFBSA-NH_4)	131003-86-6
九氟丁烷磺酰胺钾盐(PFBSA-K)	289042-19-9
11H-PFUnDA, 及其盐	
11H-全氟十一烷酸(11H-PFUnDA)	1765-48-6
11H-全氟十一烷酸钾(11H-PFUnDA-K)	307-71-1
11H-全氟十一烷酸铵(11H-PFUnDA-NH_4)	5081-02-7
11H-全氟十一烷酸盐 (11H-PFUnDA(anion))	69681-37-4
PFPrA,及其盐	
五氟丙酸(PFPrA)	422-64-0
五氟丙酸钠(PFPrA-Na)	378-77-8
五氟丙酸银(PFPrA-Ag)	509-09-1
五氟丙酸钾(PFPrA-K)	378-76-7
五氟丙酸铵(PFPrA-NH_4)	2730-58-7
五氟丙酸盐(PFPrA(anion))	44864-55-3
五氟丙酸苯基哌嗪 (1/1) (PFPrA-$C10H_{14}N_2$)	893-87-8
五氟丙酸哌嗪(1/1) (PFPrA-$C_4H_{10}N_2$)	1690-94-4
五氟丙酸咪唑(PFPrA-$C_3H_4N_2$)	200705-90-4
HFPO-TA, 及其盐	
全氟-2,5-二甲基-3,6-二氧杂壬酸 (HFPO-TA)	13252-14-7
全氟-2,5-二甲基-3,6-二氧杂壬酸钾 (HFPO-TA-K)	67118-57-4
全氟-2,5-二甲基-3,6-二氧杂壬酸钠 (HFPO-TA-Na)	67963-76-2
全氟-2,5-二甲基-3,6-二氧杂壬酸铵 (HFPO-TA-NH4)	13043-05-5
全氟-2,5-二甲基-3,6-二氧杂壬酰基氟化物 (HFPO-TA-F)	2641-34-1
三乙基铵全氟-2-(2-丙氧基丙氧基)丙酸盐 (HFPO-TA-NH(C_2H_5)$_3$)	165951-19-9
甲铵全氟-2-(2-丙氧基丙氧基)丙酸盐	328065-29-8

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国·浙江·宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

2,3,3,3-四氟-2-[1,1,2,3,3,3-六氟-2-(七氟丙氧基) 丙氧基] 丙酸 · 二甲胺 (1:1 盐)	328065-54-9
PFEtS, 及其盐	
全氟乙烷磺酸 (PFEtS), 及其盐	354-88-1
全氟乙烷磺酸盐 (PFEtS (anion))	108410-37-3
全氟乙烷磺酸钾 (PFEtS-K)	2837-92-5
6:2 diPAP, 及其盐	
双[2-(全氟己基)乙基]磷酸盐(6:2 diPAP)	57677-95-9
双[2-(全氟己基)乙基]磷酸(6:2 diPAP-Na)	407582-79-0
双[2-(全氟己基)乙基]磷酸盐离子(6:2 diPAP(Anion))	667465-18-1
TFSI, 及其盐	
双(三氟甲烷)磺酰亚胺(TFSI)	82113-65-3
1-丁基-1-甲基吡咯烷双(三氟甲烷)磺酰亚胺	223437-11-4
三丁基甲基铵双(三氟甲烷)磺酰亚胺	405514-94-5
双(三氟甲烷)磺酰亚胺锂(TFSI-Li)	90076-65-6
1-癸基-3-甲基咪唑双(三氟甲烷)磺酰亚胺	433337-23-6
双(三氟甲磺酰基)亚胺锌 II) ($(TFSI)_2$-Zn)	168106-25-0
双(三氟甲磺酰亚锰 II) ($(TFSI)_2$-Mn)	207861-55-0
双(三氟甲磺酰亚胺)镍(II) ($(TFSI)_2$-Ni)	207861-63-0
双(三氟甲磺酰亚胺铜(II) ($(TFSI)_2$-Cu)	162715-14-2
三[1,1,1-三氟-N-[(三氟甲基)磺酰基-KO]甲磺酰胺基-KO]-铁 ($(TFSI)_3$-Fe)	207861-59-4
三氟甲烷磺酰亚胺铜(II)二水合物 ($(TFSI)_2$-CuH_2O)	1334406-76-6
双(三氟甲烷磺酰亚胺银 (TFSI-Ag)	189114-61-2
双(三氟甲基磺酰基)亚胺铜 (TFSI-Cu)	291300-50-0
双(三氟甲烷磺酰亚胺)钡($(TFSI)_2$-Ba)	168106-22-7
双(三氟甲基磺酰基)亚胺锶 ($(TFSI)_2$-Sr)	862121-57-1
1-甲基咪唑双(三氟甲磺酰亚胺	353239-08-4
1-乙基-3-甲基咪唑鎓双	174899-82-2
1,2-二甲基-3-丙基咪唑鎓双(三氟甲基磺酰基)亚胺盐	169051-76-7
双(三氟甲基磺酰基)亚胺镁 (TFSI-Mg)	133395-16-1
1-甲基-3-丙基咪唑鎓双(三氟甲基磺酰基)亚胺盐	216299-72-8
1-丁基-1-甲基咪唑鎓双(三氟甲基磺酰基)亚胺盐	623580-02-9
1-甲基-3-正辛基咪唑鎓双(三氟甲磺酰基)亚胺盐	178631-04-4
三[双(三氟甲基磺酰基)氨基]镱 ($(TFSI)_3$-Yb)	175438-43-4
丁基-三甲基双(三氟甲基磺酰基)亚胺铵	258273-75-5
双(三氟甲基磺酰基)亚胺钴 ($(TFSI)_2$-Co)	207861-61-8

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

双(三氟甲磺酰亚胺钾 (TFSI-K)	90076-67-8
1-甲基-1-丙基哌啶-1-鎓双(三氟甲基)磺酰基)-酰胺	608140-12-1
1-乙基-2,3-二甲基咪唑鎓双(三氟甲烷磺酰)亚胺盐	174899-90-2
1-甲基-1-丙基吡咯烷鎓双(三氟甲磺酰基)亚胺盐	223437-05-6
1,1,1-三氟-N-三氟甲烷磺酰基-N-(N-三氟甲烷磺酰基-三氟甲烷磺酰胺基)-羟基)-甲磺酰胺 ($(TFSI)_2$-Ca)	165324-09-4
双(三氟甲基磺酰基)亚胺胆碱	827027-25-8
1-十二烷基-3-甲基咪唑鎓双(三氟甲磺酰基)亚胺盐	404001-48-5
1-乙基-1-甲基吡咯烷双(三氟甲基磺酰基)亚胺盐	223436-99-5
二乙基甲基硫双(三氟甲基磺酰)亚胺	792188-85-3
双(三氟甲基磺酰基)叠氮化物:汞(2+) ($(TFSI)_2$-Hg)	104715-41-5
双(三氟甲磺酰基)酰亚胺铈(III)盐(TFSI-Ce)	1046099-39-1
{双[(三氟甲基)磺酰基]氮杂化镉}镉盐(TFSI-Cd)	1263295-73-3
双(三氟甲磺酰基)酰亚胺镧(III)盐(TFSI-La)	168106-26-1
双(三氟甲基磺酰)酰亚胺钪(III)盐(TFSI-Sc)	176726-07-1
双(三氟甲磺酰)酰亚胺钇(III)盐 (TFSI-Y)	189114-86-1
双(三氟甲磺)酰亚胺钒盐(TFSI-V)	207861-54-9
双(三氟甲磺酰)酰亚胺铁(II)盐(TFSI-Fe)	207861-57-2
双(三氟甲基磺酰)酰亚胺锡(II)盐(TFSI-Sn)	460096-08-6
双(三氟甲磺酰基)酰亚胺铯盐(TFSI-Cs)	91742-16-4
双(三氟甲磺酰)酰亚胺钠盐(TFSI-Na)	91742-21-1
TFMS, 及其盐	
三氟甲磺酸(TFMS)	1493-13-6
三氟甲磺酸钠盐(TFMS-Na)	2926-30-9
三氟甲磺酸银盐(TFMS-Ag)	2923-28-6
三氟甲磺酸锌盐(TFMS-Zn)	54010-75-2
三氟甲磺酸钪盐(TFMS-Sc)	144026-79-9
三氟甲磺酸酐	358-23-6
三氟甲磺酸锂盐(TFMS-Li)	33454-82-9
三氟甲磺酸铜盐(TFMS-Cu)	34946-82-2
三氟甲磺酸钡盐(TFMS-Ba)	2794-60-7
三氟甲磺酸铈盐(TFMS-Ce)	107792-63-2
三氟甲磺酸镁盐(TFMS-Mg)	60871-83-2
三氟甲磺酸钾盐(TFMS-K)	2926-27-4
三氟甲磺酸镍盐(TFMS-Ni)	60871-84-3
三氟甲磺酸锡盐(TFMS-Sn)	62086-04-8
三氟甲磺酸钇盐(TFMS-Y)	52093-30-8

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

三氟甲磺酸铁盐(TFMS-Fe)	63295-48-7
三氟甲磺酸铈盐(TFMS-Ce)	76089-77-5
三氟甲磺酸四丁基铵	35895-70-6
三氟甲磺酸甲基三辛基铵	121107-18-4
咪唑三氟甲磺酸酯	29727-06-8
三氟乙酰基三氟甲磺酸酯	68602-57-3
三氟甲磺酸镧(III) (TFMS-La)	52093-26-2
三氟甲磺酸铟(III) (TFMS-In)	128008-30-0
三氟甲磺酸钐(III) (TFMS-Sm)	52093-28-4
三氟甲磺酸镱(III) (TFMS-Yb)	54761-04-5
三氟甲磺酸铥(III) (TFMS-Tm)	141478-68-4
三氟甲磺酸四乙基铵	35895-69-3
三氟甲磺酸1-氟-3,5-二氯吡啶	107264-06-2
三氟甲磺酸三乙胺盐	646-58-2
三苯基三氟甲酸酐鏻	72450-51-2
N, N-二乙基-6-(二乙氨基)-9-(2-(甲氧羰基)苯基)-3H-蒽-3-亚基三氟甲磺酸铵	120611-30-5
三氟甲磺酸二苯铵	164411-06-7
1-(3-氨基氮杂环丁烷-1-基)丙-2-烯-1-酮, 三氟甲磺酸	2060047-56-3
三氟甲磺酸胍	153756-25-3
三氟甲磺酸-1-乙基-1H-咪唑 (1/1)	501693-46-5
钌(3+) (OC-6-22)-与三氟甲磺酸 (1:3)的盐	74468-24-9
O-新戊酰基羟胺三氟甲磺酸酯	1293990-73-4
三氟甲磺酰氯	421-83-0
(2-吡啶甲基)磺酰氯三氟甲磺酸酯	882564-09-2
三氟甲磺酰溴	15458-53-4
三氟甲磺酸汞(II)(TFMS-Hg)	49540-00-3
三氟甲磺酸镝(III)(TFMS-Dy)	139177-62-1
三氟甲磺酸锰(II)(TFMS-Mn)	55120-76-8
三氟甲磺酸五胺锇(III)	83781-30-0
三氟甲磺酸镥(III)(TFMS-Lu)	126857-69-0
三氟甲磺酸铽(III)(TFMS-Tb)	148980-31-8
三氟甲磺酸钕(III)(TFMS-Nd)	34622-08-7
三氟甲磺酸铵(TFMS-NH4)	38542-94-8
三氟甲磺酸钬(III)(TFMS-Ho)	139177-63-2
三氟甲磺酸酯	37181-39-8
三氟甲磺酸镨(III)(TFMS-Pr)	52093-27-3

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

三氟甲磺酸铋(III)(TFMS-Bi)	88189-03-1
三氟甲磺酸铕(III)(TFMS-Eu)	52093-25-1
三氟甲磺酸铒(III)(TFMS-Er)	139177-64-3
三氟甲磺酸镓(III)(TFMS-Ga)	74974-60-0
N,N,N-三乙基-2,2,2-三氟乙烷-1-三氟甲磺酸铵	380230-73-9
三氟甲磺酸钙(II)(TFMS-Ga)	55120-75-7
三氟甲磺酸铊(I)(TFMS-Tl)	73491-36-8
三氟甲磺酸铪(IV)(TFMS-Hf)	161337-67-3
1-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十五氟辛基) 吡啶鎓三氟甲磺酸盐	25061-59-0
四丙基铵三氟甲磺酸盐	35925-48-5
(七氟丙基)(苯基) 碘鎓三氟甲磺酸盐	77758-79-3
苯基 (十三氟己基) 碘鎓三氟甲磺酸盐	77758-84-0
(十七氟辛基)(苯基) 碘鎓三氟甲磺酸盐	77758-89-5
(1,1,1,2,3,3,3-七氟丙烷-2-基)(苯基) 碘鎓三氟甲磺酸盐	82959-18-0
三乙基甲基铵三氟甲磺酸盐	90756-35-7
五氟苯胺鎓三氟甲磺酸盐	912823-79-1
三丁基甲基铵三氟甲磺酸盐	944557-37-3
PFPrS, 及其盐	
全氟丙烷磺酸(PFPrS)	423-41-6
全氟丙烷磺酸钠(PFPrS-Na)	359868-82-9
PFHpSi, 及其盐	
全氟庚烷-1-亚磺酸(PFHpSi)	769067-51-8
全氟庚烷-1-亚磺酸钠盐(PFHpSi-Na)	68555-66-8
PFOPA, 及其盐	
全氟辛基磷酸(PFOPA)	40143-78-0
全氟辛基磷酸-4-甲基苯甲酰胺	1263361-03-0
TFA, 及其盐	
三氟乙酸(TFA)	76-05-1
三氟乙酸钠(TFA-Na)	2923-18-4
三氟乙酸铊(TFA-Tl)	23586-53-0
三氟乙酸锂(TFA-Li)	2923-17-3
三氟乙酸银(TFA-Ag)	2966-50-9
三氟乙酸铯(TFA-Cs)	21907-50-6
三氟乙酸钾(TFA-K)	2923-16-2
三氟乙酸铵(TFA-NH_4)	3336-58-1
三氟乙酸汞(TFA-Hg)	13257-51-7
三氟乙酸钯(TFA-Pd)	42196-31-6

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

三氟乙酸盐(TFA anion)	14477-72-6
三氟乙酸二甲基[(三氟乙酰基)氧基]锍	57738-66-6
三氟乙酸铝(III)(TFA-Al)	36554-89-9
三氟乙酸钡(II)(TFA-Ba)	60884-92-6
三氟乙酸铒(III)(TFA-Er)	70236-99-6
三氟乙酸铟(III)(TFA-In)	36554-90-2
三氟乙酸镧(III)(TFA-La)	70236-92-9
三氟乙酸镍(II)(TFA-Ni)	16083-14-0
三氟乙酸铅(II)(TFA-Pb)	4146-73-0
三氟乙酸铑(II)(TFA-Rh)	72654-51-4
三氟乙酸铥(III)(TFA-Tm)	70237-00-2
三氟乙酸镱(III)(TFA-Yb)	87863-62-5
三氟乙酸锌(II)(TFA-Zn)	21907-47-1
三氟乙酸钌(II)(TFA-Ru)	61612-84-8
三氟乙酸镁(II)(TFA-Mg)	123333-72-2
三氟乙酸铜(II)(TFA-Cu)	123333-88-0
三氟乙酸甲基三乙酸甲基乙酰铵	121107-16-2
铬(3+)三氟乙酸盐(TFA-Cr)	16712-29-1
三氟乙酸四乙基铵(TFA-N(C_2H_5)$_4$)	30093-29-9
三氟乙酸四丁基铵(TFA-N(C_4H_9)$_4$)	39481-22-6
三氟乙酸铕(3+)-水(1/3/3)(TFA-Eu.H_2O)	94079-71-7
BETI, 及其盐	
双(五氟乙烷磺酰基)亚胺	152894-10-5
双(五氟乙烷磺酰基)亚胺基锂(BETI-Li)	132843-44-8
双(五氟乙烷磺酰基)亚胺基阴离子	129318-46-3
双(五氟乙烷磺酰基)亚胺基钠 (BETI-Na)	152894-04-7
双(五氟乙烷磺酰基)亚胺基钾 (BETI-K)	221203-22-1
1-乙基-3-甲基咪唑啉双(五氟乙基磺酰基)亚胺	216299-76-2
PFDPA, 及其盐	
全氟癸基膦酸(PFDPA)	52299-26-0
全氟癸基膦酸4-甲基苯甲胺	--
全氟癸基膦酸二-4-甲苯胺盐	--
PFHxPA, 及其盐	
全氟己基膦酸	40143-76-8
全氟己基膦酸4-甲基苯甲胺	1263361-02-9
HFAC, 及其盐	
六氟乙酰丙酮 (HFAC)	1522-22-1

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

六氟乙酰丙酮酸锶(HFAC-Sr)	121012-89-3
六氟乙酰丙酮酸钙(HFAC-Ca)	121012-90-6
六氟乙酰丙酮酸铋(III)(HFAC-Bi)	141364-06-9
六氟乙酰丙酮酸镍(II)(HFAC-Ni)	14949-69-0
六氟乙酰丙酮酸铜(II)水合物(HFAC-Cu·H_2O)	155640-85-0
六氟乙酰丙酮酸钍(HFAC-Th)	18865-75-3
六氟乙酰丙酮酸钇(HFAC-Y)	18911-76-7
六氟乙酰丙酮酸铒(III)水合物(HFAC-Er·H_2O)	18923-92-7
六氟乙酰丙酮酸钪(III)(HFAC-Sc)	18990-42-6
六氟乙酰丙酮酸钴(II)(HFAC-Co)	19648-83-0
六氟乙酰丙酮酸镁(HFAC-Mg)	19648-85-2
六氟乙酰丙酮酸锰(II)(HFAC-Mn)	19648-86-3
六氟乙酰丙酮酸钠(HFAC-Na)	22466-49-5
六氟乙酰丙酮酸铯(HFAC-Cs)	22518-56-5
六氟乙酰丙酮酸钡(HFAC-Ba)	314071-48-2
六氟戊二酮酸铟(HFAC-In)	34110-72-0
六氟乙酰丙酮酸锡(II)(HFAC-Sn)	51319-99-4
六氟乙酰丙酮酸钯(II)(HFAC-Pd)	64916-48-9
PFTriODA, 及其盐	
全氟-(2,5,8-三甲基-3,6,9-三氧杂十二烷酸) (PFTriODA)	65294-16-8
全氟-(2,5,8-三甲基-3,6,9-三氧杂十二烷酸)钾盐	67963-77-3
全氟-(2,5,8-三甲基-3,6,9-三氧杂十二烷酸)铵盐	--
PFDeDA, 及其盐	
全氟癸二酸 (PFDeDA)	307-78-8
2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-十六氟癸二酸二钠盐	--
2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-十六氟癸二酸二锂盐	--
9H-PFNA, 及其盐	
9H-全氟壬酸 (9H-PFNA)	76-21-1
2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-十六氟壬酸钠盐	--
9-氯-2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-十六氟壬酸钠盐	--
2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-十六氟壬酸钾盐	--
9-氯全氟壬酸钾盐	1415963-94-8
十六氟壬酸铵盐	1868-86-6
2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-十六氟壬酸锂盐	--
9-氯-2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-十六氟壬酸锂盐	--
HFPDSI, 及其盐	
1,1,2,2,3,3-六氟丙烷-1,3-二磺酰亚胺 (HFPDSI)	84246-29-7

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

1,1,2,2,3,3-六氟丙烷-1,3-二磺酰亚胺钾盐 (HFPDSI-K)	588668-97-7
1,1,2,2,3,3-六氟丙烷-1,3-二磺酰亚胺锂盐 (HFPDSI-Li)	189217-62-7

(2) 全氟十五烷酸, 全氟十七烷酸, 全氟十九烷酸, 全氟二十烷酸, 全氟二十一烷酸检测结果采用碳链数接近的全氟烷酸半定量。
(3) TPCH 将PFAS定义为一类化学物质，但官方并没有给出PFAS的清单，结论根据客户同意所检测的PFAS物质含量得出的。

US Model Toxics in Packaging Legislation (TPCH - Toxics in Packaging Clearing House) - Total Lead, Cadmium, Mercury and Hexavalent Chromium content
美国包装材料法案中规定的有害物质（TPCH - 包装材料中有害物质）－总铅、镉、汞和六价铬的含量

Test Method: With reference to SGS in house method, analysis were performed by ICP-OES/AAS, UV-Vis.
检测方法： 参考 SGS 内部方法，采用 ICP-OES/AAS，UV-Vis 进行分析。

Test Item(s) 检测项目	Limit 限值	Unit(s) 单位	MDL	A1
Cadmium(Cd) / 镉 (Cd)	-	mg/kg	5	ND
Lead(Pb) / 铅 (Pb)	-	mg/kg	5	ND
Mercury(Hg) / 汞 (Hg)	-	mg/kg	5	ND
Hexavalent Chromium(CrVI) / 六价铬 (Cr VI)	-	mg/kg	8	ND
Total (Cd+ Pb + Hg + CrVI) / 总量 (Pb,Hg,Cd,CrVI)	100	mg/kg	-	ND
Conclusion / 结论				**Pass 符合**

Notes:
(1) The TPCH legislation has been enacted by California, Connecticut, Florida, Georgia, Illinois, Iowa, Maine, Maryland, Minnesota, Missouri, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia, Washington and Wisconsin.

备注：
(1) TPCH 中关于包装材料中有害物质的相关规定由以下州(美国)审议并立法通过, 加利福尼亚州,康涅狄格州, 佛罗里达州,乔治亚州,伊利诺伊斯州,爱荷华州, 缅因州,马里兰州, 明尼苏达州, 密苏里州, 新罕布什尔州,新泽西州, 纽约州, 宾夕法尼亚州, 罗得岛州, 佛蒙特州, 弗吉尼亚州, 华盛顿州和威斯康星州。

Article 5(4) of Regulation (EU) 2025/40 (Packaging and Packaging Waste Regulation, PPWR) - Total Lead, Cadmium, Mercury and Hexavalent Chromium content
欧盟(EU) 2025/40 关于《包装和包装废弃物条例》(PPWR)指令章节 5(4)－总铅、镉、汞和六价铬的含量

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com
Member of the SGS Group (SGS SA)

Test Method: With reference to SGS in house method, analysis were performed by ICP-OES/AAS, UV-Vis.
检测方法： 参考 SGS 内部方法，采用 ICP-OES/AAS，UV-Vis 进行分析。

Test Item(s) 检测项目	Limit 限值	Unit(s) 单位	MDL	A1
Cadmium(Cd) / 镉(Cd)	-	mg/kg	5	ND
Lead(Pb) / 铅(Pb)	-	mg/kg	5	ND
Mercury(Hg) / 汞(Hg)	-	mg/kg	5	ND
Hexavalent Chromium(CrVI) / 六价铬 (Cr VI)	-	mg/kg	8	ND
Total (Cd+ Pb + Hg + CrVI) / 总量 (Pb,Hg,Cd,CrVI)	100	mg/kg	-	ND
Conclusion / 结论				**Pass 符合**

Notes:
REGULATION (EU) 2025/40 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 December 2024 on packaging and packaging waste, amending Regulation (EU) 2019/1020 and Directive (EU) 2019/904, and repealing Directive 94/62/EC.

备注：
欧盟于 2024 年 12 月 19 日发布(EU) 2025/40 关于《包装和包装废弃物》指令，修订(EU) 2019/1020 和(EU) 2019/904 指令，并废除 94/62/EC 指令。

Article 5(5) of Regulation (EU) 2025/40 (Packaging and Packaging Waste Regulation, PPWR)-Total Fluorine
欧盟(EU) 2025/40 关于《包装和包装废弃物条例》(PPWR)指令章节 5(5)－总氟

Test Method: With reference to EN 14582:2016, analysis was performed by IC.
检测方法： 参考 EN 14582:2016，采用 IC 进行分析。

Test Item(s) 检测项目	Limit 限值	Unit(s) 单位	MDL	A1
Fluorine / 氟	50	mg/kg	20	32
Conclusion / 结论				**Pass 符合**

Notes:
(1) As specified in 5(c) of Regulation (EU) 2025/40, if total fluorine exceeds 50 mg/kg the manufacturer, importer or downstream user as defined respectively in Article 3, points (9), (11) and (13) of Regulation (EC) No 1907/2006 shall, upon request, provide to the manufacturer or the importer as defined respectively in Article 3(1), points (13) and (17), of this Regulation proof of the quantity of fluorine measured as content of either PFAS or non-PFAS in order for them to draw up the technical documentation as referred to in Annex VII to this Regulation. Therefore, It is strongly recommended to perform PFAS test for confirmation.

备注：

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国·浙江·宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区，5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

(1) 如欧盟(EU) 2025/40 第 5(c)条所述，如果总氟含量超过 50 mg/kg，则根据《欧盟化学品注册、评估、许可和限制条例》(EC)第 1907/2006 号条例第 3 条第(9)、(11)和(13)点分别定义的制造商、进口商或下游用户，应根据本条例第 3(1)条第(13)和(17)点分别定义的制造商或进口商的请求，提供氟含量的测量证明，以确定氟是来自 PFAS 还是非 PFAS，以便其编制本条例附件七所指的技术文件。因此，强烈建议进行 PFAS 检测以确认。

Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under US EPA Toxic Substances Control Act (TSCA) Section 6(h)
美国环保署有毒物质控制法 (TSCA) 第 6 (h)节规定的持久性、生物累积性和毒性 (PBT) 化学物质

Test Method: With reference to US EPA 3550C:2007, analysis was performed by GC-MS.
检测方法： 参考 US EPA 3550C:2007，采用 GC-MS 进行分析。

Test Item(s) 检测项目	CAS No.	Limit 限值	Unit(s) 单位	MDL	A1
Decabromodiphenyl ether (DecaBDE) / 十溴二苯醚 (Deca-BDE)	1163-19-5	1000	mg/kg	5	ND
Phenol, isopropylated phosphate (3:1) (PIP 3:1) / 异丙基化磷酸三苯酯 (PIP 3:1)	68937-41-7	1000	mg/kg	5	ND
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP) / 2,4,6-三叔丁基苯酚 (2,4,6-TTBP)	732-26-3	3000	mg/kg	5	ND
Hexachlorobutadiene (HCBD) / 六氯丁二烯 (HCBD)	87-68-3	Prohibited	mg/kg	5	ND
Pentachlorothiophenol (PCTP) / 五氯苯硫酚 (PCTP)	133-49-3	10000	mg/kg	5	ND
Conclusion / 结论					**Pass 符合**

Notes:
(1) The regulation is available at the following link.
https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/persistent-bioaccumulative-and-toxic-pbt-chemicals-under.
(2) The rule for Decabromodiphenyl ether (DecaBDE) and Phenol, isopropylated phosphate (3:1) (PIP 3:1) is effective on January 21,2025.

备注：
(1) 法规信息请参见下链接
https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/persistent-bioaccumulative-and-toxic-pbt-chemicals-under.
(2) 针对十溴二苯醚 (Deca-BDE)和异丙基化磷酸三苯酯 (PIP 3:1) 的规定于 2025 年 1 月 21 日生效。

Article 5(5) of Regulation (EU) 2025/40 (Packaging and Packaging Waste Regulation, PPWR) - Perfluoroalkyl and polyfluoroalkyl substances (PFAS) Content
欧盟(EU) 2025/40 关于《包装和包装废弃物条例》(PPWR)指令章节 5(5)—全氟和多氟烷基化合物 (PFAS) 含量

Test Method: Modified EN 17681-1:2025, analysis was performed by LC-MS/MS.

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab (China)

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

检测方法： 优化的 EN 17681-1:2025, 采用 LC-MS/MS 进行分析。

Test Item(s) 检测项目	CAS No.	Limit 限值	Unit(s) 单位	MDL	A1
PFOS, its salts PFOS, 及其盐					
Perfluorooctane sulfonic acid (PFOS), its salts^ / 全氟辛烷磺酸 (PFOS), 及其盐^	1763-23-1	0.025	mg/kg	0.010	ND
PFOA, its salts PFOA, 及其盐					
Perfluorooctanoic acid (PFOA), its salts^ / 全氟辛酸 (PFOA), 及其盐^	335-67-1	0.025	mg/kg	0.010	ND
C9-C14 PFCA, their salts C9-C14 PFCA, 及其盐					
Perfluorononane Acid (PFNA), its salts^ / 全氟壬酸 (PFNA), 及其盐^	375-95-1	0.025	mg/kg	0.010	ND
Perfluorodecane Acid (PFDA), its salts^ / 全氟癸酸 (PFDA), 及其盐^	335-76-2	0.025	mg/kg	0.010	ND
Perfluoroundecanoic Acid (PFUnDA), its salts^ / 全氟十一烷酸 (PFUnDA), 及其盐^	2058-94-8	0.025	mg/kg	0.010	ND
Perfluorododecanoic Acid (PFDoDA), its salts^ / 全氟十二烷酸 (PFDoDA), 及其盐^	307-55-1	0.025	mg/kg	0.010	ND
Perfluorotridecanoic Acid (PFTrDA), its salts^ / 全氟十三烷酸 (PFTrDA), 及其盐^	72629-94-8	0.025	mg/kg	0.010	ND
Perfluorotetradecanoic Acid (PFTDA), its salts^ / 全氟十四烷酸 (PFTDA), 及其盐^	376-06-7	0.025	mg/kg	0.010	ND
Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA) / 全氟-3, 7-二甲基辛酸 (PF-3, 7-DMOA)	172155-07-6	0.025	mg/kg	0.010	ND
PFHxS, its salts PFHxS, 及其盐					
Perfluorohexanesulfonic acid (PFHxS), its salts^ / 全氟己基磺酸 (PFHxS)，及其盐^	355-46-4	0.025	mg/kg	0.010	ND
PFHxA, its salts PFHxA, 及其盐					
Perfluorohexane Acid (PFHxA), its salts^ / 全氟己酸 (PFHxA), 及其盐^	307-24-4	0.025	mg/kg	0.010	ND
Sum of PFAS / PFAS 总和	-	0.25	mg/kg	-	ND
Conclusion / 结论					**Pass 符合**

Notes:
(1) Regulation (EU) 2025/40 does not define any official list of individual PFAS substances. Conclusion is made based on the tested PFAS substances which is agreed by the client.
(2) ^=Substances refer to its salts/derivative listed in below table.

Substances Name	**CAS No.**
PFOS, its salts & derivatives	
Perfluorooctane sulfonic acid (PFOS)	1763-23-1

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Potassium Perfluorooctanesulfonate (PFOS-K)	2795-39-3
Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5
Sodium perfluorooctanesulfonate (PFOS-Na)	4021-47-0
Ammonium perfluorooctanesulfonate (PFOS-NH_4)	29081-56-9
Perfluorooctane sulfonate diethanolamine salt (PFOS-$NH_2(C_2H_4OH)_2$)	70225-14-8
Perfluorooctanesulfonic acid,tetraethylammonium salt (PFOS-$N(C_2H_5)_4$)	56773-42-3
N-decyl-N,N-dimethyldecan-1-aminium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-$N(C_{10}H_{21})_2(CH_3)_2$)	251099-16-8
TetrabutylAmmonium perfluorooctanesulfonate (PFOS-$N(C_4H_9)_4$)	111873-33-7
Perfluorooctane Sulfonyl fluoride (PFOS-F)	307-35-7
Magnesium bis(heptadecafluorooctanesulphonate) (PFOS-Mg)	91036-71-4
Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctanesulfonate	71463-74-6
Perfluorooctanesulfonate	45298-90-6
Triethylammonium perfluorooctane sulfonate (PFOS-$N(C_2H_5)_3$)	54439-46-2
Tetramethylammonium perfluorooctane sulfonate (PFOS-$N(CH_3)_4$)	56773-44-5
N,N,N-Tripropylpentan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-$N(C_3H_7)_3(C_5H_{11})$)	56773-56-9
N,N-Dibutyl-N-methylbutan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-$N(C_4H_9)_3(CH_3)$)	124472-68-0
Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with perfluoro-1-octanesulfonic acid (1:1)	213740-80-8
Diphenyl(2,4,6-trimethylphenyl)sulfonium perfluoro-1-octanesulfonate	258341-99-0
1-Hexadecylpyridinium perfluoro-1-octanesulfonate	334529-63-4
N,N,N-Triethyldecan-1-aminium heptadecafluorooctane-1-sulfonate	773895-92-4
Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-P$(C_4H_9)_4$))	2185049-59-4
Perfluorooctanesulfonic acid diethylamine salt (PFOS-$C_4H_{11}N$)	2205029-08-7
heptyldimethyl{2-[(2-methylprop-2-enoyl)oxy]ethyl}azanium heptadecafluorooctane-1-sulfonate (PFOS-$C_{15}H_{30}NO_2$)	1203998-97-3
Perfluorooctane sulfonic anhydride (PFOSAN)	423-92-7
PFOA, its salts & derivatives	
Perfluorooctanoic acid (PFOA)	335-67-1
Sodium perfluorooctanoate (PFOA-Na)	335-95-5
Potassium perfluorooctanoate (PFOA-K)	2395-00-8
Silver perfluorooctanote (PFOA-Ag)	335-93-3
Perfluorooctanoyl fluoride (PFOA-F)	335-66-0
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
Lithium perfluorooctanoate (PFOA-Li)	17125-58-5
Cobalt perfluorooctanoate (PFOA-Co)	35965-01-6
Cesium perfluorooctanoate (PFOA-Cs)	17125-60-9
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, chromium(3+) (PFOA-Cr(3+))	68141-02-6

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Pentadecafluorooctanoic acid--piperazine (2/1) (PFOA-$NH(C_4H_{10}N)$)	423-52-9
Pentadecafluorooctanoate (anion)	45285-51-6
Perfluorooctanoic Anhydride	33496-48-9
N,N,N-Triethylethanaminium perfluorooctanoate	98241-25-9
Perfluorooctanoate N,N,N-Trimethylmethanaminium	32609-65-7
Tetrapropylammonium perfluorooctanoate	277749-00-5
Potassium pentadecafluorooctanoate--water (1/1/2) (PFOA-$K(H_2O)_2$)	98065-31-7
Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA-C_2H_7N)	1376936-03-6
Pentadecafluorooctanoic acid--pyridine (1/1) (PFOA-C_5H_5N)	95658-47-2
pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA-$C_{10}H_{14}N_2$)	1514-68-7
N,N,N-Trimethyloctan-1-aminium pentadecafluorooctanoate (PFOA-$C_{11}H_{26}N$)	927835-01-6
PFNA, its salts	
Perfluorononane Acid (PFNA)	375-95-1
Perfluorononanoate Na-Salt (PFNA-Na)	21049-39-8
Nonanoic acid, heptadecafluoro-, ammonium salt (PFNA-NH_4)	4149-60-4
Potassium perfluorononanoate (PFNA-K)	21049-38-7
Perfluorononanoate Li-Salt (PFNA-Li)	60871-92-3
Silver perfluorononanoate (PFNA-Ag)	7358-16-9
Methanaminium perfluorononanoate (PFNA-$NH_3(CH_3)$)	77032-23-6
Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-, compd. with N-ethylethanamine (1:1) PFNA-$NH_2(C_2H_5)_2$)	77032-27-0
Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-, compd. with N-methylmethanamine (1:1) (PFNA-$NH_2(CH_3)_2$)	77032-24-7
Nonanoic acid, heptadecafluoro-, compd. with N,N-diethylethanamine (1:1) (9CI) (PFNA-$NH(C_2H_5)_3$)	327176-80-7
Nonanoic acid, heptadecafluoro-, compd. with piperidine (1:1) (9CI) (PFNA-$NH_2(C_5H_{10})$)	95682-66-9
Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-, compd. with benzenamine (1:1) (PFNA-$NH_3(C_6H_5)$)	95682-67-0
Nonanoic acid, heptadecafluoro-, compd. with cyclohexanamine (1:1) (9CI) (PFNA-$NH_3(C_6H_{11})$)	328531-06-2
Perfluorononanoate (anion)	72007-68-2
4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium heptadecafluorononanoate (PFNA-$C_{11}H_{12}N_4O_3S$)	298703-33-0
Perfluorononanoic anhydride (PFNAA)	228407-54-3
PFDA, its salts	
Perfluorodecane Acid (PFDA)	335-76-2
Sodium perfluorodecanoate (PFDA-Na)	3830-45-3
Perfluorodecanoate ammonium salt (PFDA-NH_4)	3108-42-7
Potassium perfluorodecanoate (PFDA-K)	51604-85-4
Silver perfluorodecanoate (PFDA-Ag)	5784-82-7
Lithium perfluorodecanoate (PFDA-Li)	84743-32-8
Perfluorodecanoate (anion)	73829-36-4
Perfluorodecanoic anhydride (PFDAA)	942199-24-8

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

PFUnDA, its salts	
Perfluoroundecanoic Acid (PFUnDA)	2058-94-8
Perfluoroundecanoic acid sodium salt (PFUnDA-Na)	60871-96-7
Ammonium perfluoroundecanoate (PFUnDA-NH_4)	4234-23-5
Potassium perfluoroundecanoate (PFUnDA-K)	30377-53-8
Calcium perfluoroundecanoate (PFUnDA-Ca)	97163-17-2
Perfluoroundecanoate (anion)	196859-54-8
PFDoDA, its salts	
Perfluorododecanoic Acid (PFDoDA)	307-55-1
Ammonium tricosafluorododecanoate (PFDoDA-NH_4)	3793-74-6
Perfluorododecanoate (anion)	171978-95-3
PFTrDA, its salts	
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8
Ammonium perfluorotridecanoate (PFTrDA-NH_4)	4288-72-6
Sodium perfluorotridecanoate (PFTrDA-Na)	60872-01-7
Perfluorotridecanoate (anion)	862374-87-6
PFTDA, its salts	
Perfluorotetradecanoic Acid (PFTDA)	376-06-7
Perfluorotetradecanoate (anion)	365971-87-5
PFHxS, its salts & derivatives	
Perfluorohexanesulfonic acid (PFHxS)	355-46-4
Perfluorohexanesulfonate Na-salt (PFHxS-Na)	82382-12-5
Perfluorohexanesulfonate K-salt (PFHxS-K)	3871-99-6
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1) (PFHxS-Li)	55120-77-9
Ammonium perfluorohexane-1-sulphonate (PFHxS-NH_4)	68259-08-5
Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-BTPP)	1000597-52-3
N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate(PFHxS-N(C_4H_9)$_4$)	108427-54-9
N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate(PFHxS-N(C_2H_5)$_4$)	108427-55-0
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. With pyrrolidine (1:1) (PFHxS-NC_4H_9)	1187817-57-7
Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (Calculated in terms of PFHxS) (PFHxS-($NC_{10}H_{14}$)$_3C_5H_4$)	1310480-24-0
Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-(NC_8H_{10})$_2C_{13}H_{12}$)	1310480-27-3
Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-(NC_8H_{10})$_2C_{17}H_{12}$)	1310480-28-4
Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1) (PFHxS-$C_{42}H_{70}O_{35}$)	1329995-45-0

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区，5区 sgs.china@sgs.com

Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1)(PFHxS-$C_{48}H_{80}O_{40}$)	1329995-69-8
Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (TPS-PFHxS)	144116-10-9
Quinolinium, 1-(carboxymethyl)-4-[2-[4-[4-(2,2-diphenylethenyl)phenyl]-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-$C_{44}H_{37}N_2O_2$)	1462414-59-0
Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-I(C_6H_5)$_2$)	153443-35-7
Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (PFHxS-TMA)	189274-31-5
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd.with 2-methyl-2-propanamine (1:1)(PFHxS-$NH_2(CH_3)_3$)	202189-84-2
Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-I(C_6H_4)$_2$(C_4H_9)$_2$)	213740-81-9
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9CI)(PFHxS-Ga)	341035-71-0
Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-S(C_7H_7)$_2C_6H_5$)	341548-85-4
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1)(PFHxS-Sc)	350836-93-0
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1)(PFHxS-Nd)	41184-65-0
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1)(PFHxS-Y)	41242-12-0
Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:2)(PFHxS-S_3(C_6H_5)$_4$(C_6H_4)$_2$)	421555-73-9
Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic(PFHxS-I (C_6H_4)$_2$(C_5H_{11})	421555-74-0
Perflurohexane sulphonyl fluoride(PFHxS-F)	423-50-7
Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-S(C_6H_4)$_3$(C_4H_9)$_3$)	425670-70-8
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt (PFHxS-Zn)	70136-72-0
Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)(PFHxS-NH(C_2H_5O)$_2$)	70225-16-0
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1)(PFHxS-N(C_2H_5)$_3$)	72033-41-1
Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9CI) (PFHxS-I(C_6H_4)$_2$(C_4H_9)$_2$)	866621-50-3

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-S(C_6H_5)$_2$$C_7H_7$)	910606-39-2
Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,67tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C_6H_5)$_2$$C_{10}H_9O_2$)	911027-68-4
1-Hexanesulfonic acid, 9,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1) (PFHxS-Cs) (PFHxS-Cs)	92011-17-1
Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-$SC_{28}H_{31}O_4$)	928049-42-7
Perfluorohexylsulfonyl chloride (PFHxS-Cl)	55591-23-6
Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.13,7]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate (PFHxS-Sulfonium, propenoate polymer)	911027-69-5
Perfluorohexane sulfonate (anion)	108427-53-8
Tetrabutylphosphonium perfluorohexane sulfonate (PFHxS-P(C_4H_9)$_4$))	2310194-12-6
PFHxA, its salts & derivatives	
Perfluorohexane Acid (PFHxA)	307-24-4
Ammonium perfluorohexanoate (APFHx)	21615-47-4
Sodium perfluorohexanoate (PFHxA-Na)	2923-26-4
Potassium perfluorohexanoate (PFHxA-K)	3109-94-2
Perfluorohexanoyl fluoride (PFHxA-F)	355-38-4
Silver perfluorohexanoate (PFHxA-Ag)	336-02-7
Lithium perfluorohexanoate (PFHxA-Li)	90430-61-8
Perfluorohexanoic anhydride	308-13-4
Hexanoic acid, undecafluoro-, compd. with piperazine (2:1) (8CI,9CI)	423-47-2
Perfluorohexanoate (anion)	92612-52-7
Perfluorohexanoyl chloride (PFHxA-Cl)	335-53-5
Undecafluorohexanoic acid--hexan-1-amine (1/1) (PFHxA-$C_6H_{15}N$)	565225-91-4
1-phenylpiperazine; 2,2,3,3,4,4,5,5,6,6,6-undecafluorohexanoic acid (PFHxA-$C_{10}H_{14}N_2$)	985-60-4

备注：

(1) 欧盟(EU) 2025/40 官方并没有给出 PFAS 的清单，结论根据客户同意所检测的 PFAS 物质含量得出的。

(2) ^=物质是指附表中列出的盐/衍生物。

物质名称	**CAS No.**
PFOS, 及其盐&衍生物	
全氟辛烷磺酸(PFOS)	1763-23-1
全氟辛基磺酸钾(PFOS-K)	2795-39-3
全氟辛基磺酸锂(PFOS-Li)	29457-72-5
全氟辛基磺酸钠(PFOS-Na)	4021-47-0

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

全氟辛基磺酸铵(PFOS-NH_4)	29081-56-9
全氟辛基磺酸二乙醇铵(PFOS-$NH_2(C_2H_4OH)_2$)	70225-14-8
全氟辛基磺酸四乙基铵(PFOS-$N(C_2H_5)_4$)	56773-42-3
全氟辛基磺酸二癸二甲基铵(PFOS-$N(C_{10}H_{21})_2(CH_3)_2$)	251099-16-8
全氟辛基磺酸四丁基铵(PFOS-$N(C_4H_9)_4$)	111873-33-7
全氟辛基磺酰氟(PFOS-F)	307-35-7
双[十七氟辛烷磺酸]镁(PFOS-Mg)	91036-71-4
全氟辛烷磺酸哌啶	71463-74-6
全氟辛烷磺酸盐	45298-90-6
全氟辛烷磺酸三乙基铵(PFOS-$N(C_2H_5)_3$)	54439-46-2
全氟辛烷磺酸四甲基铵(PFOS-$N(CH_3)_4$)	56773-44-5
N, N,N-三丙基戊烷-1-七氟辛烷-1-磺酸铵(PFOS-$N(C_3H_7)_3(C_5H_{11})$)	56773-56-9
N,N-二丁基-N-甲基丁烷-1-胺十七氟辛烷-1-磺酸酯(PFOS-$N(C_4H_9)_3(CH_3)$)	124472-68-0
双[4-(1,1-二甲基乙基)苯基]-碘鎓与全氟-1-辛烷磺酸的盐(1:1)	213740-80-8
全氟-1-辛烷磺酸二苯基(2,4,6-三甲基苯基)锍	258341-99-0
全氟-1-辛烷磺酸 1-十六烷基吡啶鎓	334529-63-4
N,N,N-三乙基癸-1-胺十七氟辛烷-1-磺酸盐	773895-92-4
全氟辛烷磺酸四丁基鏻 (PFOS-P ($C_4H_9)_4$))	2185049-59-4
全氟辛基磺酸二乙胺 (PFOS-$C_4H_{11}N$)	2205029-08-7
全氟辛基磺酸庚基二甲基-[2-(2-甲基丙-2-烯酰氧基)乙基]胺 (PFOS-$C_{15}H_{30}NO_2$)	1203998-97-3
全氟辛基磺酸酐(PFOSAN)	423-92-7
PFOA, 及其盐&衍生物	
全氟辛酸(PFOA)	335-67-1
全氟辛酸钠(PFOA-Na)	335-95-5
全氟辛酸钾(PFOA-K)	2395-00-8
全氟辛酸银(PFOA-Ag)	335-93-3
全氟辛酰氟(PFOA-F)	335-66-0
全氟辛酸铵(APFO)	3825-26-1
全氟辛酸锂(PFOA-Li)	17125-58-5
全氟辛酸钴(PFOA-Co)	35965-01-6
全氟辛酸铯(PFOA-Cs)	17125-60-9
全氟辛酸铬(3+) (PFOA-Cr(3+))	68141-02-6
全氟辛酸-哌嗪(2:1) (PFOA-$NH(C_4H_{10}N)$)	423-52-9
全氟辛酸盐	45285-51-6
全氟辛酸酐	33496-48-9
全氟辛酸四乙基胺	98241-25-9
全氟辛酸四甲基胺	32609-65-7
全氟辛酸四丙基胺	277749-00-5
全氟辛酸钾水合物 (PFOA-$K(H_2O)_2$)	98065-31-7
全氟辛酸乙胺 (PFOA-C_2H_7N)	1376936-03-6
全氟辛酸吡啶 (PFOA-C_5H_5N)	95658-47-2
全氟辛酸苯基哌嗪 (PFOA-$C_{10}H_{14}N_2$)	1514-68-7

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

全氟辛酸辛基三甲基铵 (PFOA-$C_{11}H_{26}N$)	927835-01-6
PFNA, 及其盐	
全氟壬酸 (PFNA)	375-95-1
全氟壬酸钠 (PFNA-Na)	21049-39-8
全氟壬酸铵 (PFNA-NH_4)	4149-60-4
全氟壬酸钾 (PFNA-K)	21049-38-7
全氟壬酸锂 (PFNA-Li)	60871-92-3
全氟壬酸银 (PFNA-Ag)	7358-16-9
全氟壬酸甲烷铵(PFNA-$NH_3(CH_3)$)	77032-23-6
全氟壬酸-N-乙基乙胺(1:1) (PFNA-$NH_2(C_2H_5)_2$)	77032-27-0
全氟壬酸-N-甲基甲胺(1:1) (PFNA-$NH_2(CH_3)_2$)	77032-24-7
全氟壬酸-N，N-二乙基乙酰胺(1:1) (9CI) (PFNA-$NH(C_2H_5)_3$)	327176-80-7
全氟壬酸-哌啶(1:1) (9CI) (PFNA-$NH_2(C_5H_{10})$)	95682-66-9
全氟壬酸-苯胺(1:1) (PFNA-$NH_3(C_6H_5)$)	95682-67-0
全氟壬酸-环己胺(1:1) (9CI) (PFNA-$NH_3(C_6H_{11})$)	328531-06-2
全氟壬酸盐	72007-68-2
全氟壬酸磺胺甲氧基哒嗪(PFNA-$C_{11}H_{12}N_4O_3S$)	298703-33-0
全氟壬酸酐(PFNAA)	228407-54-3
PFDA, 及其盐	
全氟癸酸 (PFDA)	335-76-2
全氟癸酸钠 (PFDA-Na)	3830-45-3
全氟癸酸铵 (PFDA-NH_4)	3108-42-7
全氟癸酸钾 (PFDA-K)	51604-85-4
全氟癸酸银 (PFDA-Ag)	5784-82-7
全氟癸酸锂 (PFDA-Li)	84743-32-8
全氟癸酸盐	73829-36-4
全氟癸酸酐(PFDAA)	942199-24-8
PFUnDA, 及其盐	
全氟十一烷酸 (PFUnDA)	2058-94-8
全氟十一烷酸钠 (PFUnDA-Na)	60871-96-7
全氟十一烷酸铵 (PFUnDA-NH_4)	4234-23-5
全氟十一烷酸钾 (PFUnDA-K)	30377-53-8
全氟十一烷酸钙 (PFUnDA-Ca)	97163-17-2
全氟十一烷酸盐	196859-54-8
PFDoDA, 及其盐	
全氟十二烷酸 (PFDoDA)	307-55-1
全氟十二烷铵 (PFDoDA-NH_4)	3793-74-6
全氟十二烷酸盐	171978-95-3
PFTrDA, 及其盐	
全氟十三烷酸 (PFTrDA)	72629-94-8
全氟十三烷酸铵 (PFTrDA-NH_4)	4288-72-6
全氟十三烷酸钠(PFTrDA -Na)	60872-01-7
全氟十三烷酸盐	862374-87-6
PFTDA, 及其盐	

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

全氟十四烷酸 (PFTDA)	376-06-7
全氟十四烷酸盐	365971-87-5
PFHxS, 及其盐&衍生物	
全氟己基磺酸(PFHxS)	355-46-4
全氟己基磺酸钠(PFHxS-Na)	82382-12-5
全氟己基磺酸钾(PFHxS-K)	3871-99-6
全氟己基磺酸锂(1:1)(PFHxS-Li)	55120-77-9
全氟己基磺酸铵(PFHxS-NH_4)	68259-08-5
全氟己基磺酸三苯基(苯基甲基)-磷鎓盐(PFHxS-BTPP)	1000597-52-3
N,N,N-三丁基丁烷-1-胺全氟己基磺酸盐(PFHxS-$N(C_4H_9)_4$)	108427-54-9
N, N,N-三乙基乙胺全氟己基磺酸盐(PFHxS-$N(C_2H_5)_4$)	108427-55-0
全氟己基磺酸与四氢吡咯络合物(PFHxS-NC_4H_9)	1187817-57-7
全氟-1-己基磺酸-N-[4-[[4-(二乙基氨基)苯基][4-(乙基氨基)-1-萘基]亚甲基]-2,5-环己二烯-1-亚基]-N-乙基-乙铵盐(PFHxS-$(NC_{10}H_{14})_3C_5H_4$)	1310480-24-0
全氟-1-己基磺酸-N-[4-[[4-(二甲基氨基)苯基][4-(乙基氨基)-1-萘基]亚甲基]-2,5-环己二烯-1-亚基]-N-甲基-甲基铵盐(PFHxS-$(NC_8H_{10})_2C_{13}H_{12}$)	1310480-27-3
全氟-1-己基磺酸-N-[4-[[4-(二甲基氨基)苯基][4-(苯基氨基)-1-萘基]亚甲基]-2,5-环己二烯-1-亚基]-N-甲基-甲基铵盐(PFHxS-$(NC_8H_{10})_2C_{17}H_{12}$)	1310480-28-4
全氟己基磺酸与 β-环糊精络合物(PFHxS-$C_{42}H_{70}O_{35}$)	1329995-45-0
全氟己基磺酸与 γ-环糊精络合物(PFHxS-$C_{48}H_{80}O_{40}$)	1329995-69-8
全氟己基磺酸三苯基硫鎓盐(TPS-PFHxS)	144116-10-9
全氟己基磺酸喹啉, 1-(羧甲基)-4-[2-[4-[4-(2,2-二苯基噻吩基)苯基]-1,2,3a,4,8b-六氢环戊并[b]吲哚-7-基]乙烯基]盐(PFHxS-$C_{44}H_{37}N_2O_2$)	1462414-59-0
全氟己基磺酸二苯基碘鎓盐(PFHxS-I$(C_6H_5)_2$)	153443-35-7
N,N,N-三甲基-全氟己基磺酸甲基铵盐(PFHxS-TMA)	189274-31-5
全氟己基磺酸与 2-甲基-2-丙胺络合物(1:1)(PFHxS-$NH_2(CH_3)_3$)	202189-84-2
全氟己基磺酸双[4-(1,1-二甲基乙基)苯基]碘鎓盐(PFHxS-$I(C_6H_4)_2(C_4H_9)_2$)	213740-81-9
全氟己基磺酸镓(9CI)(PFHxS-Ga)	341035-71-0
全氟己基磺酸双(4-甲基苯基)苯基硫鎓盐(1:1)(PFHxS-$S(C_7H_7)_2C_6H_5$)	341548-85-4
全氟己基磺酸钪(PFHxS-Sc)	350836-93-0
全氟己基磺酸钕(PFHxS-Nd)	41184-65-0
全氟己基磺酸钇(PFHxS-Y)	41242-12-0
全氟己基磺酸(硫代二-4,1-亚苯基)双[二苯基]硫鎓盐(PFHxS-$S_3(C_6H_5)_4(C_6H_4)_2$)	421555-73-9

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

全氟己基磺酸双[4-(1,1-二甲基丙基)苯基]碘鎓盐(PFHxS-I(C_6H_4)$_2$(C_5H_{11})$_2$)	421555-74-0
全氟己基磺酰氟(PFHxS-F)	423-50-7
全氟己基磺酸三[4-(1,1-二甲基乙基)苯基]硫鎓盐(PFHxS-S(C_6H_4)$_3$(C_4H_9)$_3$)	425670-70-8
全氟己基磺酸锌(PFHxS-Zn)	70136-72-0
全氟己基磺酸与 2,2'-亚氨二乙醇络合物(PFHxS-NH(C_2H_5O)$_2$)	70225-16-0
全氟己基磺酸与三乙胺络合物(1:1)(PFHxS-N(C_2H_5)$_3$)	72033-41-1
全氟己基磺酸双[(1,1-二甲基乙基)苯基]碘鎓盐(PFHxS-I(C_6H_4)$_2$(C_4H_9)$_2$)	866621-50-3
全氟己基磺酸(4-甲基苯基)二苯硫鎓盐(PFHxS-S(C_6H_5)$_2$$C_7H_7$)	910606-39-2
全氟己基磺酸[4-[(2-甲基-1-氧代-2-丙烯酰)氧基]苯基]二苯基硫鎓盐(PFHxS-S(C_6H_5)$_2$$C_{10}H_9O_2$)	911027-68-4
全氟己基磺酸铯(1:1)(PFHxS-Cs)	92011-17-1
二苯并[k,n][1,4,7,13]四氧杂硫环戊二烯,19-[4-(1,1-二甲基乙基)苯基]-6,7,9,10,12,13-六氢-,全氟己基磺酸盐(PFHxS-$SC_{28}H_{31}O_4$)	928049-42-7
全氟己基磺酰氯(PFHxS-Cl)	55591-23-6
PFHxS-磺酸酯聚合物	911027-69-5
全氟己基磺酸盐	108427-53-8
全氟己基磺酸四丁基鏻 (PFHxS-P(C_4H_9)$_4$))	2310194-12-6
PFHxA, 及其盐&衍生物	
全氟己酸(PFHxA)	307-24-4
全氟己酸铵(APFHx)	21615-47-4
全氟己酸钠(PFHxA-Na)	2923-26-4
全氟己酸钾(PFHxA-K)	3109-94-2
全氟己酰氟(PFHxA-F)	355-38-4
全氟己酸银(PFHxA-Ag)	336-02-7
全氟己酸锂(PFHxA-Li)	90430-61-8
全氟己酸酐	308-13-4
全氟己酸哌嗪(2:1)	423-47-2
全氟己酸盐	92612-52-7
全氟己酰氯(PFHxA-Cl)	335-53-5
全氟己酸己胺(PFHxA-$C_6H_{15}N$)	565225-91-4
全氟己酸苯基哌嗪(PFHxA-$C_{10}H_{14}N_2$)	985-60-4

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior written approval of the Company.
The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc… and just for internal reference.

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区，5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

除非另有说明，参照 ILAC-G8:09/2019，使用简单接受（*w*=0）的二元判定规则进行符合性判定。
除非另有说明，此报告结果仅对检测的样品负责。本报告未经本公司书面许可，不可部分复制。
检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的，仅供内部参考。

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd.

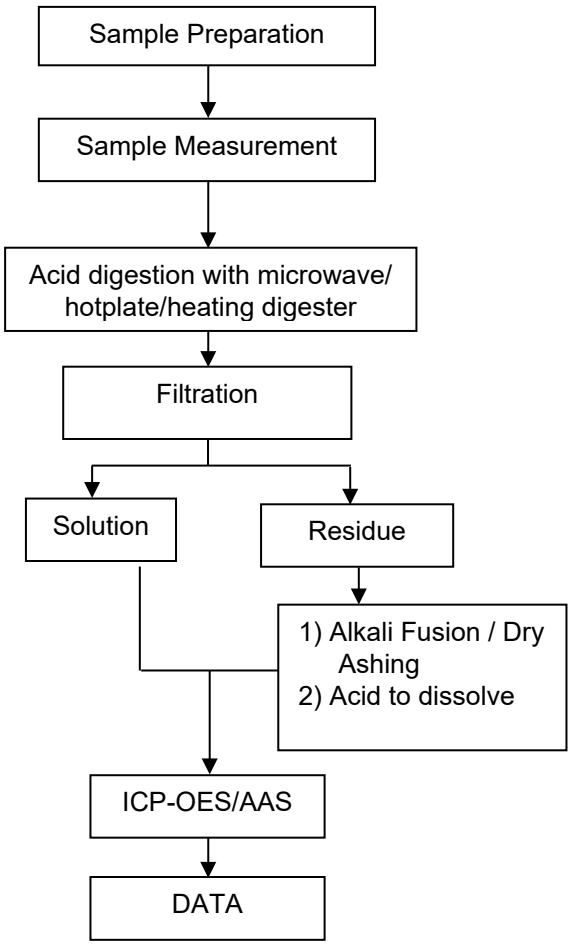
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Central Chemical Lab (CCL)
Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

ATTACHMENTS

Elements Testing Flow Chart

These samples of Pb/Cd/Hg were dissolved totally by pre-conditioning method according to below flow chart.



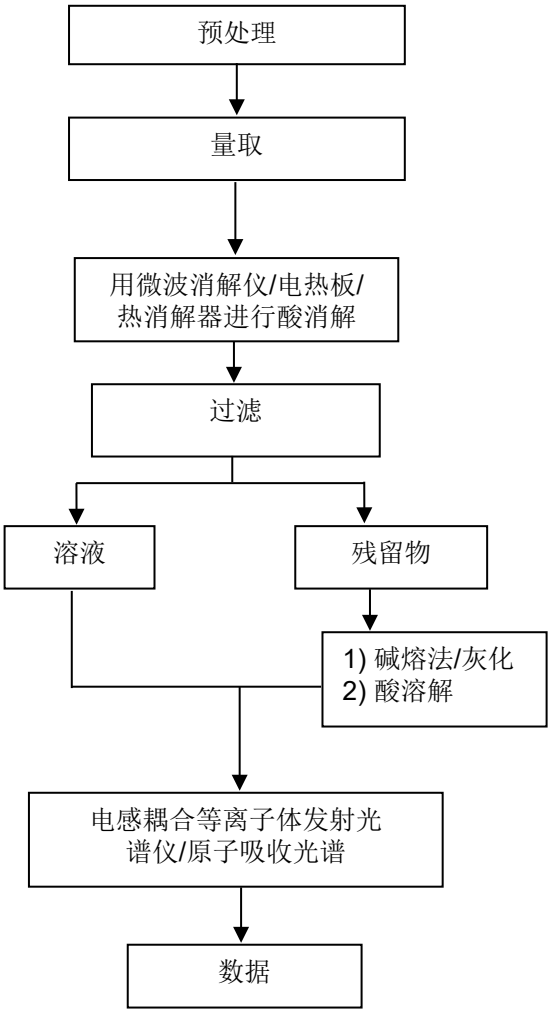
通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

附件

元素检测流程图

样品中的 Pb/Cd/Hg 按照下述流程被完全消解。



通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab (CCL)

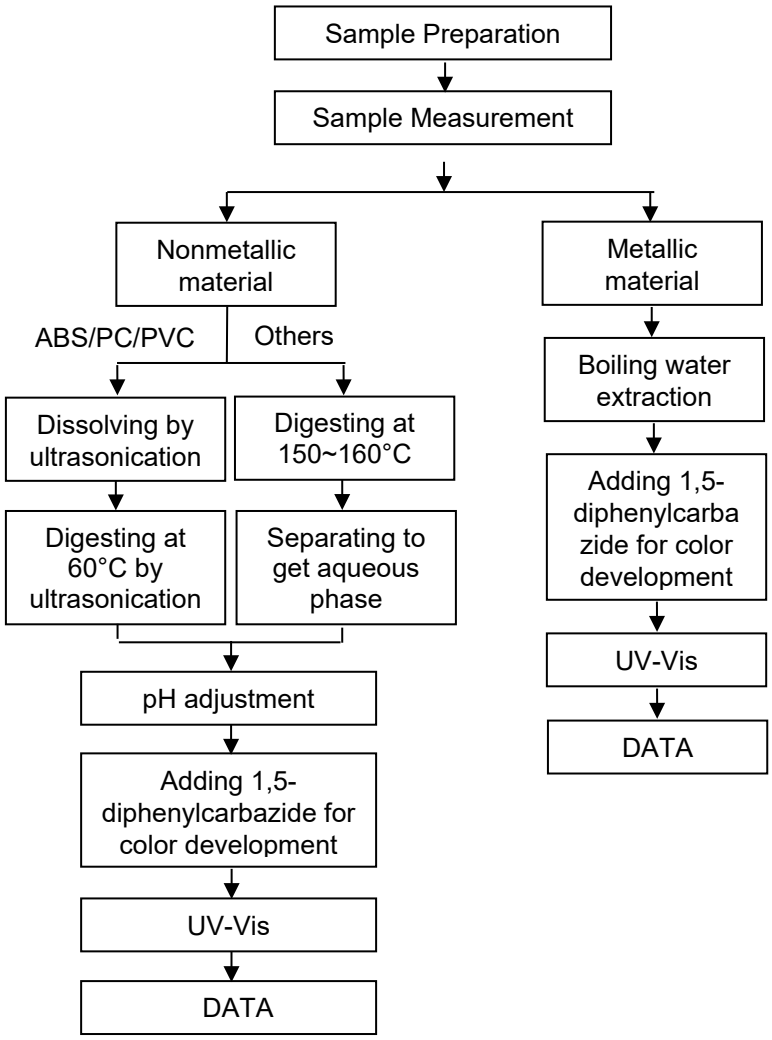
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

ATTACHMENTS

Hexavalent Chromium (Cr(VI)) Testing Flow Chart

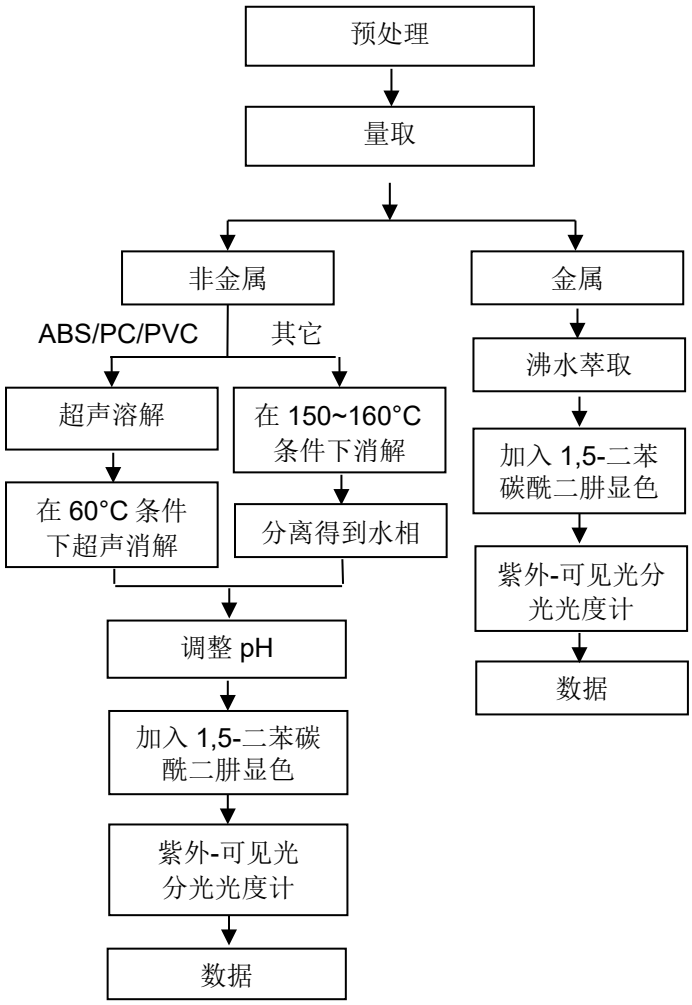


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch
Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

附件

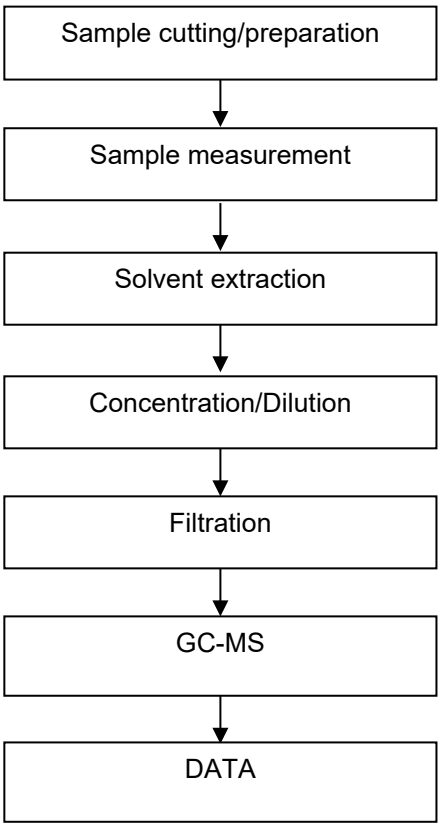
六价铬检测流程图



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com
Member of the SGS Group (SGS SA)

ATTACHMENTS

PBB(s)/PBDE(s)/Phthalates Testing Flow Chart



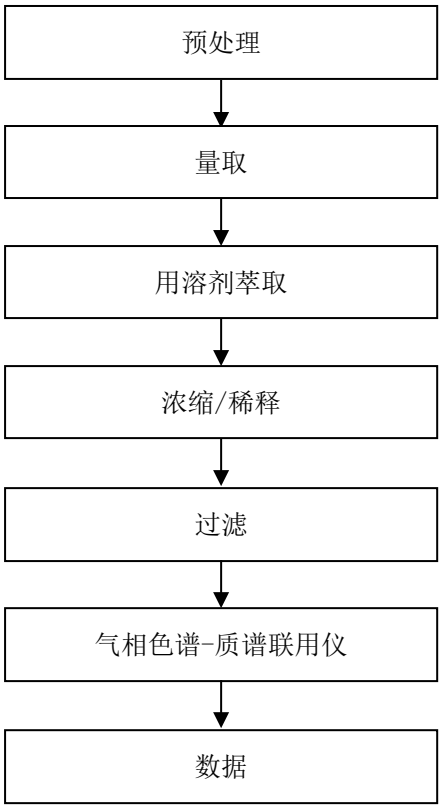
通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

附件

PBB(s)/PBDE(s)/Phthalates 检测流程图

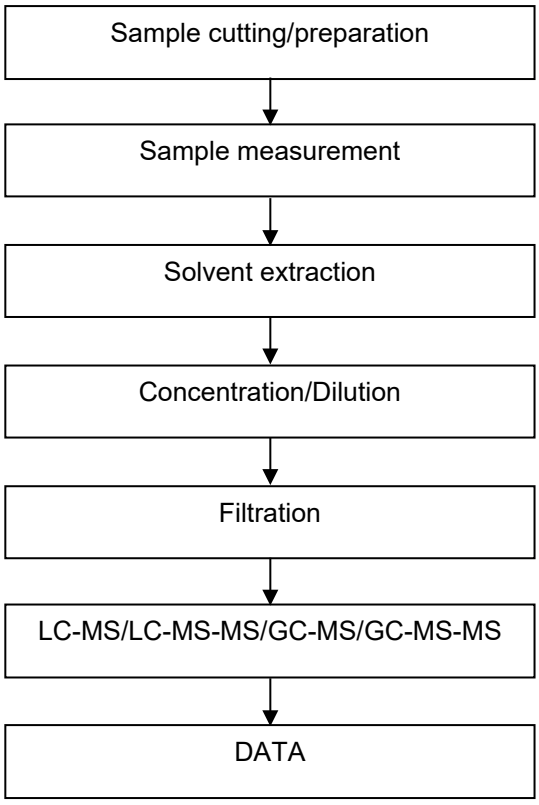


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services
SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch
Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区，5区 sgs.china@sgs.com

ATTACHMENTS

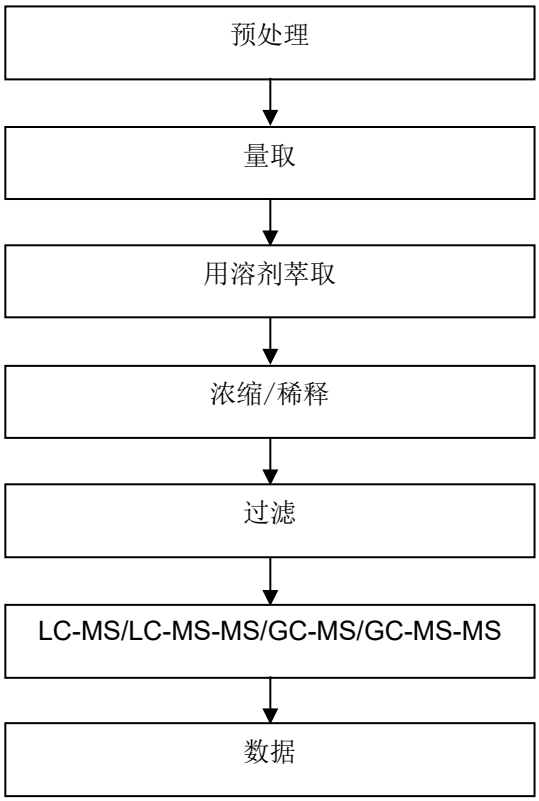
PFASs/ PFOS/PFOA Testing Flow Chart



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch
Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

PFASs/ PFOS/PFOA 检测流程图

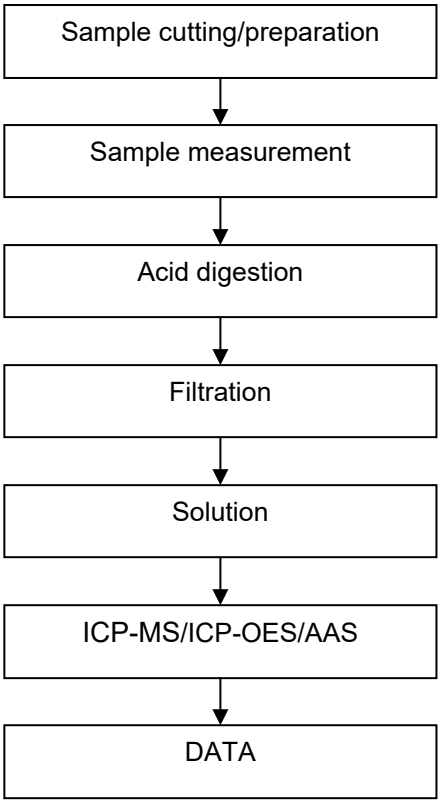


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch
Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区，5区 sgs.china@sgs.com

ATTACHMENTS

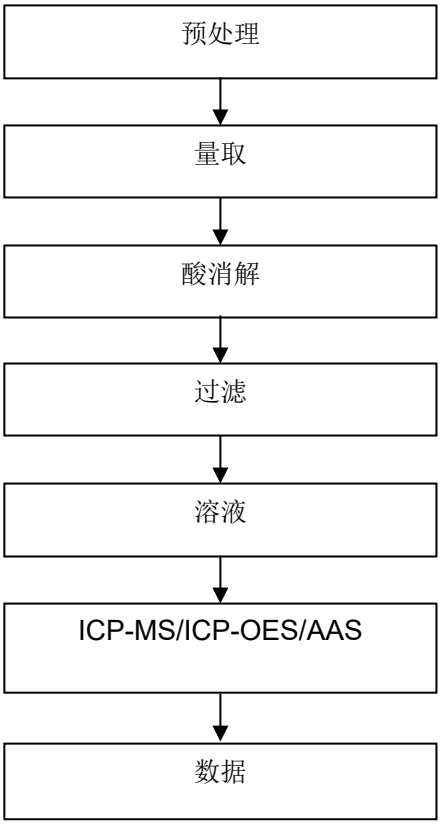
Elements Testing Flow Chart



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch
Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com

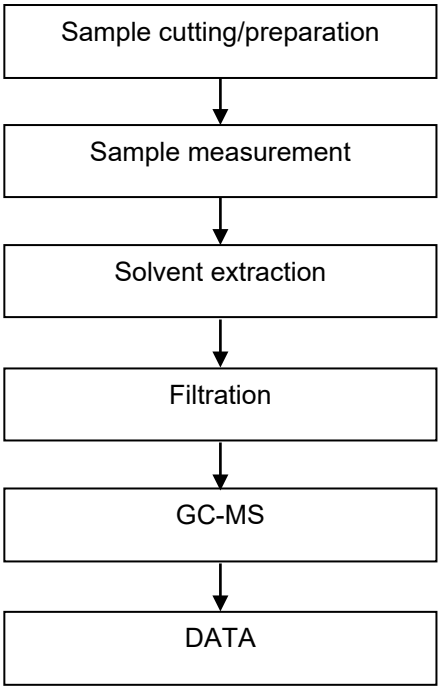
元素检测流程图



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch
Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢2号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区、5区 sgs.china@sgs.com
Member of the SGS Group (SGS SA)

ATTACHMENTS

Persistent, Bioaccumulative, and Toxic (PBT) Chemicals Testing Flow Chart

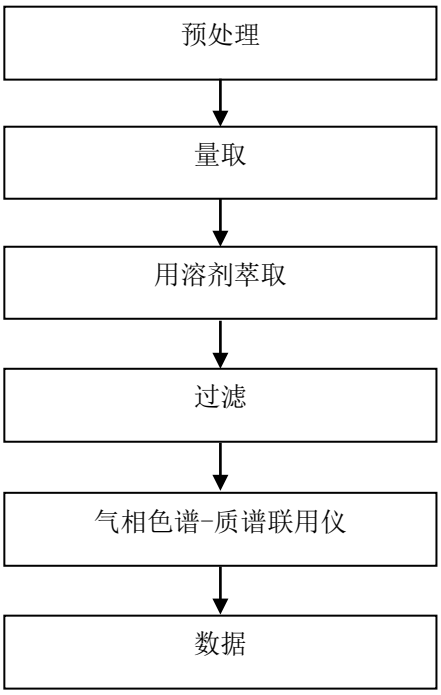


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch
Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层2区，008幢7号楼2层2区，5区 sgs.china@sgs.com

附件

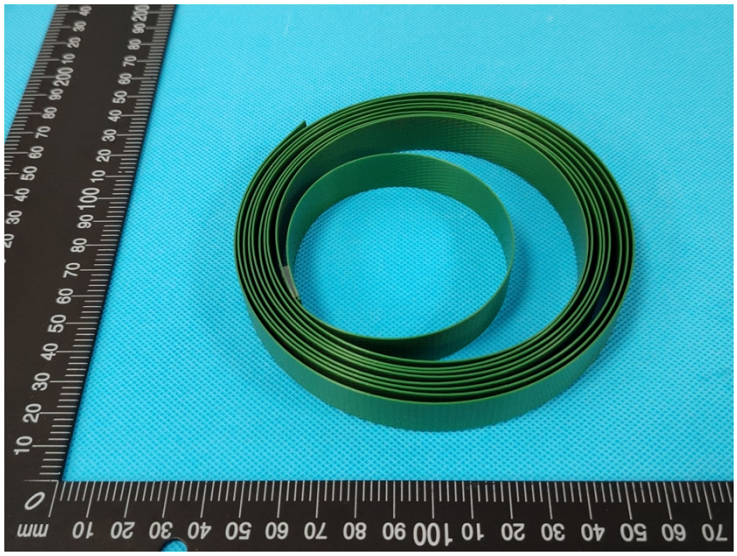
持久性、生物累积性和毒性（PBT）化学物质检测流程图



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services
SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab Branch
Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com

Sample Photo:
样品照片：



NGB26-0049479-0001.C001

SGS authenticate the photo on original report only
此照片仅限于随 SGS 正本报告使用
*** End of Report ***
报告结束

通标标准技术服务（宁波）有限公司 检验检测专用章 Inspection & Testing Services SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd. Central Chemical Lab (Ningbo)

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 6, 1/F., & Unit 2 & Unit 5, 2/F., Building 7 / 1/F., & Unit 2, 4/F., Building 5 / Unit 2, 1/F., & 2/F. to 5/F., Building 4 / Unit 2, 1/F., Building 3 / 4/F., Building 1, No. 1177 Lingyun Road, Meixu Subdistrict, Hi-Tech Zone, Ningbo, Zhejiang, China. www.sgsgroup.com.cn
中国 · 浙江 · 宁波市高新区梅墟街道凌云路1177号007幢1号楼4层，003幢3号楼1层2区，009幢4号楼1层2区，009幢4号楼2-5层，006幢5号楼1层，004幢5号楼4层2区，008幢7号楼1层4区，008幢7号楼2层2区、5区 sgs.china@sgs.com