

Test Report

No. C190121037001-1 Page 1 of 56 Date: Jan 25, 2019 测试报告 编号: C190121037001-1 日期: 2019年01月25日 第1页,共56页

Applicant: XiangYang Fengshen New Materials Co., Ltd.

申请商: 襄阳封神新材料有限公司

Applicant Address: GuYi Industrial Park, XiangZhou District, XiangYang City, HuBei, China

申请商地址: 湖北省襄阳市襄州区古驿工业园

The following samples were submitted and identified on behalf of the clients as

以下测试之样品是由申请者所提供及确认

screw locking sealant Sample Name:

样品名称: 螺纹锁固密封剂

Model: 1271 型号: 1271

C190121037 CPST Internal Reference No.: CPST 参考编号: C190121037 Jan 21, 2019 Date of Sample Received: 2019年01月21日 收样日期:

Jan 21, 2019 to Jan 25, 2019 **Testing Period:**

测试周期: 2019年01月21日至2019年01月25日

Test Method: Please refer to next page(s)

测试方法: 请参见下一页

Test Result: Please refer to next page(s)

测试结果: 请参见下一页

> Signed to behalf of Eurones Consumer Bro Testing Service Co., Ltd

TESTED BY: REVIEWED BY: APPROVED BY:

Wang Guang Yu, Andy **Project Leader**

andy Wang

Liu Xiao Fang, Sunshine Report Reviewer

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Will Pan

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CONCLUSION 结

论:

TESTED SAMPLES TEST ITEM

RESULT

PASS

测试样品

测试项目

结果

1. As specified by client, SVHC screening is performed according to: One hundred and ninety-seven (197) Substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemical Agency (ECHA) on and before Jan 15, 2019 published by European Chemical Agency (ECHA) regarding regulation (EC) No. 1907/2006 concerning the REACH. According to the specified scope and analytical techniques, concentrations of SVHC(197SVHC) are less than 0.1%(w/w) in the sample.

screw locking sealant

螺纹锁固密封剂

1. 依照欧盟REACH法规(EC)号1907/2006,测试欧洲化学品管理局 (ECHA) 2019年01月15日公布的197种高度关注物质(SVHC)的含量。根据指定范围和分析技术,送测样品中高度关注物质(197SVHC)的浓

合格

度小于0.1%(w/w)



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Photo of the Submitted Sample 送检样品照片





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1 A	vrsenic 砷	EPA 3052, ICP-OES	Diarsenic pentaoxide, Diarsenic trioxide, Triethyl arsenate, Lead hydrogen arsenate, Arsenic acid, Calcium arsenate, Trilead diarsenate 五氧化二砷、三氧化二砷、三乙基砷酸酯、砷酸氢铅、砷酸、砷酸钙、砷酸铅
	ead 铅	EPA 3052, ICP-OES	Lead hydrogen arsenate, Lead chromate, Lead sulfochromate yellow (C.I.Pigment Yellow 34), Lead chromate molybdate sulphate red (C.I. Pigment Red 104), Trilead diarsenate, Lead dipicrate, Lead (II) bis (methanesulfonate) Lead diazide Lead azide, Lead styphnate, Lead acetate, Lead monoxide (Lead oxide), Orange lead (Lead tetroxide), Lead bis(tetrafluoroborate), Trilead bis(carbonate)dihydroxide, Lead titanium trioxide, Lead titanium zirconium oxide, Lead oxide sulfate, [Phthalato(2-)]dioxotrilead, Lead dinitrate , Lead 砷酸氢铅、铬酸铅、铬酸铅黄(C.I.颜料黄 34)、钼铬酸铅红(C.I.颜料红 104)、砷酸铅、叠氮化铅 苦味酸铅、2,4,6-三硝基苯二酚铅(收敛酸铅)、醋酸铅、甲基磺酸铅(II)、氧化铅、四氧化三铅、氟硼酸铅、碱式碳酸铅、钛酸铅、钛酸铅、钛酸铅、硫式硫酸铅、二盐基邻苯二甲酸铅、硝酸铅



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2	Lead 铅	EPA 3052, ICP-OES	Lead cynamidate, Tetraethyllead, Dioxobis(stearato)trilead, Pentalead tetraoxide sulphate, Tetralead trioxide sulphate, Trilead dioxide phosphonate, Sulfurous acid, lead salt, dibasic Pyrochlore, antimony lead yellow Silicic acid, lead salt Acetic acid, lead salt Acetic acid, lead salt, basic Fatty acids, C16-18, lead salts, Lead 硅酸铅、硅酸钡(含硅酸铅)、碱式乙酸铅、氧化铅与硫酸铅的复合物、颜料黄 41、亚硫酸铅(II)、四乙基铅、三碱式硫酸铅、磷酸氧化铅双(十八酸基)二氧代三铅、C16-18 脂肪酸铅盐、氨基氰铅盐、铅
3	Molybdenum 钼	EPA 3052, ICP-OES	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) 钼铬酸铅红(C.I.颜料红 104)



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4	Hexavalent Chromium 六价铬	IEC 62321, UV-VIS	Sodium dichromate, Sodium chromate, Potassium chromate, Mmonium dichromate, Potassium dichromate, Chromium trioxide, Acids generated from chromium trioxide and their oligomers, Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid, Strontium chromate, Lead chromate, Lead sulfochromate yellow (C.I.Pigment Yellow 34), Lead chromate molybdate sulphate red (C.I. Pigment Red 104), Dichromium tris(chromate), Potassium hydroxyoctaoxodizincatedichromate Pentazinc chromate octahydroxide 重铬酸钠、铬酸钠、铬酸钾、重铬酸铵、重铬酸钾、三氧化铬、铬酸及其低聚物产生的酸类: 铬酸、重铬酸、铬酸铅、铬酸铅黄(C.I.颜料黄 34)、钼铬酸铅红(C.I.颜料红 104)、铬酸铬、氢氧化铬酸锌钾、锌黄(C.I.颜料黄 36)
5	Strontium 锶	EPA 3052, ICP-OES	Strontium chromate 铬酸锶
6	Cobalt 钴	EPA 3052, ICP-OES	Cobalt dichloride, Cobalt(II) sulphate, Cobalt(II) dinitrate, Cobalt(II) carbonate, Cobalt(II) diacetate 氯化钴、硫酸钴、硝酸钴、碳酸钴、醋酸钴

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7	Boron 硼	EPA 3052, ICP-OES	Boric acid, Disodium tetraborate, anhydrous, Tetraboron disodium heptaoxide, hydrate, Diboron trioxide, Disodium octaborate tetrahydrate, Sodium perborate; perboric acid, sodium salt, Sodium peroxometaborate 硼酸、无水四硼酸钠、水合硼酸钠、三氧化二硼、四水八硼酸二钠、过硼酸钠,过硼酸钠盐、过硼酸钠
8	Silicon, Aluminum, Zirconium, Barium 硅、铝、锆、钡	EPA 3052, ICP-OES	Aluminosilicate Refractory Ceramic Fibres, Zirconia Aluminosilicate Refractory Ceramic Fibres, Aluminosilicate Refractory Ceramic Fibres (RCF), Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF), Silicic acid, barium salt, leaddoped 硅酸铝、耐火陶瓷纤维、锆硅酸铝、耐火陶瓷纤维、硅酸铝耐火陶瓷纤维(RCF)、氧化锆硅酸铝耐火陶瓷纤维(Zr-RCF)、硅酸钡(含硅酸铅)
9	Bis(tributyltin)oxide (TBTO) 三丁基氧化锡(TBTO)	EPA 3540C, GC-MS	Bis(tributyltin)oxide (TBTO) 三丁基氧化锡(TBTO)
10	4,4'-Diaminodiphenylmethan e (MDA) 4,4'-二氨基二苯基甲烷 (MDA)	EPA 3540C, GC-MS	4,4'-Diaminodiphenylmethane (MDA) 4,4'-二氨基二苯基甲烷(MDA)
11	5-Tert-butyl-2,4,6-trinitro-m-x ylene (musk xylene) 二甲苯麝香	EPA 3540C, GC-MS	5-Tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) 二甲苯麝香
12	Dibutyl phthalate (DBP) 邻苯二甲酸二丁酯(DBP)	EPA 3540C, GC-MS	Dibutyl phthalate (DBP) 邻苯二甲酸二丁酯(DBP)
13	Benzyl butyl phthalate (BBP) 邻苯二甲酸丁苄酯(BBP)	EPA 3540C, GC-MS	Benzyl butyl phthalate (BBP) 邻苯二甲酸丁苄酯(BBP)
14	Bis(2-ethylhexyl)phthalate (DEHP) 邻苯二甲酸二(2-乙基己基)酯 (DEHP)	EPA 3540C, GC-MS	Bis (2-ethylhexyl)phthalate (DEHP) 邻苯二甲酸二(2-乙基己基)酯(DEHP)

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15	1,2-Benzenedicarboxylic acid, Di-C7-11-branchedand linear alkyl esters (DHNUP)	EPA 3540C, GC-MS	1,2-Benzenedicarboxylic acid, Di-C7-11-branchedand linear alkyl esters (DHNUP)
CP.	邻苯二甲酸二(C7-11支链与 直链)烷基酯(DHNUP)	LI A 33400, GO-WIG	邻苯二甲酸二(C7-11支链与直链)烷基酯 (DHNUP)
16	Diisobutyl phthalate (DIBP) 邻苯二甲酸二异丁酯(DIBP)	EPA 3540C, GC-MS	Diisobutyl phthalate (DIBP) 邻苯二甲酸二异丁酯(DIBP)
17	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)	EPA 3540C, GC-MS	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)
18	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified 六溴环十二烷及其主要同分 异构体(HBCDD)	EPA 3540C, GC-MS	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified 六溴环十二烷及其主要同分异构体(HBCDD)
19	Alkanes, C10-13, chloro (SCCP) 短链氯化石蜡(SCCP)	EPA 3540C, GC-MS	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) 短链氯 化石蜡(SCCP)
20	Anthracene 蔥	AfPS GS 2014:01 PAK, GC-MS	Anthracene 蒽
21	Anthracene oil 蔥油	AfPS GS 2014:01 PAK, GC-MS	Anthracene oil 蔥油
22	Anthracene oil, Anthracene paste, ist nights 蔥油、蔥糊、轻油	AfPS GS 2014:01 PAK, GC-MS	Anthracene oil, Anthracene paste, ist nights 蔥油、蔥糊、轻油
23	Anthracene oil, Anthracene paste, Anthracene fraction 蔥油、蔥糊、蔥馏分	AfPS GS 2014:01 PAK, GC-MS	Anthracene oil, Anthracene paste, Anthracene fraction 蔥油、蔥糊、蔥馏分
24	Anthracene oil, Nthracene-low 蔥油、少蔥	AfPS GS 2014:01 PAK, GC-MS	Anthracene oil, Nthracene-low 蔥油、少蔥
25	Anthracene oil, Anthracene paste 蔥油、蔥糊	AfPS GS 2014:01 PAK, GC-MS	Anthracene oil, Anthracene paste 蔥油、蔥糊
26	Pitch, Coal tar, High temp. 高温煤沥青	Distilment	Pitch, Coal tar, High temp. 高温煤沥青

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27	Acrylamide 丙烯酰胺	EPA 3540C, GC-MS	Acrylamide 丙烯酰胺
28	2,4-Dinitrotoluene2,4- 二硝基 甲苯	EPA 3540C, GC-MS	2,4-Dinitrotoluene2,4-二硝基甲苯
29	Tris(2-chloroethyl)phosphate 三 (2-氯乙基) 磷酸盐	EPA 3540C, GC-MS	Tris(2-chloroethyl)phosphate 三(2-氯乙基 磷酸盐
30	Trichloroethylene 三氯乙烯	EPA 3540C, GC-MS	Trichloroethylene 三氯乙烯
31	2-Methoxyethanol 乙二醇单甲醚	EPA 3540C, GC-MS	2-Methoxyethanol 乙二醇单甲醚
32	2-Ethoxyethanol 乙二醇单乙醚	EPA 3540C, GC-MS	2-Ethoxyethanol 乙二醇单乙醚
33	2-Ethoxyethyl acetate 乙二醇乙醚乙酸酯	EPA 3540C, GC-MS	2-Ethoxyethyl acetate乙二醇乙醚乙酸酯
34	Hydrazine肼	EPA 8260C, HS-GC-MS	Hydrazine肼
35	1-Methyl-2-pyrrolidone N-甲基吡咯烷酮	EPA 3540C, GC-MS	1-Methyl-2-pyrrolidone N-甲基吡咯烷酮
36	1,2,3-Trichloropropane 1,2,3-三氯丙烷	EPA 3540C, GC-MS	1,2,3-Trichloropropane1,2,3-三氯丙烷
37	Formaldehyde, Oligomeric reaction products with aniline (technical MDA) 甲醛苯胺共聚物	EPA 3540C, HPLC	Formaldehyde, Oligomeric reaction products with aniline (technical MDA) 甲醛苯胺共聚物
38	Bis(2-methoxyethyl) phthalate (DMEP) 邻苯二甲酸二甲氧乙酯 (DMEP)	EPA 3540C, GC-MS	Bis(2-methoxyethyl) phthalate (DMEP) 邻苯二甲酸二甲氧乙酯(DMEP)
39	2-Methoxyaniline,o-Anisidine 邻甲氧基苯胺	EPA 3540C, GC-MS	2-Methoxyaniline, o-Anisidine邻甲氧基苯胺
40	4-(1,1,3,3-Tetramethylbutyl)p henol, (4-tert-Octylphenol) 对特辛基苯酚	EPA 3540C, HPLC	4-(1,1,3,3-Tetramethylbutyl)phenol, (4-tert-Octylphenol) 对特辛基苯酚
41	1,2-Dichloroethane 1,2-二氯乙烷	GB 18583-2008 Annex E, GC-FID	1,2-Dichloroethane 1,2-二氯乙烷
42	Bis(2-methoxyethyl) ether 二乙二醇二甲醚	GB 18582-2008 Annex A, GC-FID	Bis(2-methoxyethyl) ether 二乙二醇二甲醚

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43	N,N-dimethylacetamide (DMAC) N,N-二甲基乙酰胺(DMAC)	EPA 3540C, GC-MS	N,N-dimethylacetamide (DMAC) N,N-二甲基乙酰胺(DMAC)
44	2,2'-Dchloro-4,4'-methylened ianiline (MOCA) 2,2'-二氯-4,4'-二氨基二苯基甲烷(MOCA)	EPA 3540C, GC-MS	2,2'-Dchloro-4,4'-methylenedianiline (MOCA)
45	Phenolphthalein酚酞	EPA 3540C, HPLC	Phenolphthalein酚酞
46	1,2-Bis(2-methoxyethoxy) ethane(TEGDME; triglyme) 三甘醇二甲醚	EPA 3540C, GC-MS	1,2-Bis(2-methoxyethoxy) ethane(TEGDME; triglyme) 三甘醇二甲醚
47	1,2-Dimethoxyethane; ethyleneglycol dimethyl ether (EGDME) 1,2-二甲氧基乙烷	EPA 3540C, GC-MS	1,2-Dimethoxyethane; ethyleneglycol dimethyl ether (EGDME) 1,2-二甲氧基乙烷
48	Formamide甲酰胺	EPA 3540C, GC-MS	Formamide甲酰胺
49	TGIC(1,3,5-tris (oxiranylmethyl)-1,3,5-triazin e-2,4,6 (1H,3H,5H)-trione) 异氰尿酸三缩水甘油酯	EPA 3540C, HPLC	TGIC(1,3,5-tris (oxiranylmethyl)-1,3,5-triazine-2,4,6 (1H,3H,5H)-trione) 异氰尿酸三缩水甘油酯
50	β-TGIC(1,3,5-tris[(2Sand2R) -2,3-epoxypropyl]-1,3,5-triazi ne-2,4,6-(1H,3H,5H)-trione) 异氰脲酸B-三缩水甘油酯	EPA 3540C, HPLC	β-TGIC(1,3,5-tris[(2Sand2R)-2,3-epoxyprop yl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) 异氰脲酸B-三缩水甘油酯
51	4,4'-Bis(dimethylamino) benzophenone(Michler's ketone) 4,4'-四甲基二氨二苯酮	EPA 3540C, GC-MS	4,4'-Bis(dimethylamino) benzophenone(Michler's ketone) 4,4'-四甲 基二氨二苯酮
52	N,N,N',N'-tetramethyl-4,4'-m ethylenedianiline (Michler's base) 4,4'-亚甲基双(N, N-二 甲基苯胺)	EPA 3540C, GC-MS	N,N,N',N'-tetramethyl-4,4'-methylenedianilin e (Michler's base) 4,4'-亚甲基双(N, N-二甲 基苯胺)

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53	[4-[4,4'-Bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I.Basic Violet 3) 碱性紫3	EPA 3540C, HPLC	[4-[4,4'-Bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene]dimethylamm onium chloride (C.I.Basic Violet 3) 碱性紫3
54	[4-[[4-Anilino-1-naphthyl][4-(dimethylamino)phenyl]methy lene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I.Basic Blue 26) 碱性蓝26	EPA 3540C, HPLC	[4-[[4-Anilino-1-naphthyl][4-(dimethylamino) phenyl]methylene]cyclohexa-2,5-dien-1-ylid ene]dimethylammonium chloride (C.I.Basic Blue 26) 碱性蓝26
55	α,α-Bis[4-(dimethylamino)ph enyl]-4 (phenylamino)naphthalene -1-methanol (C.I. Solvent Blue 4) 溶剂蓝4	EPA 3540C, HPLC	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) 溶剂蓝4
56	4,4'-Bis(dimethylamino)-4"-(methylamino)tritylalcohol1α,α-二[(二甲氨基)苯基]-4-甲氨基苯甲醇	EPA 3540C, GC-MS	4,4'-Bis(dimethylamino)-4''-(methylamino)tri tyl alcohol1 α,α-二[(二甲氨基)苯基]-4-甲氨基苯甲醇
57	Bis(pentabromophenyl) ether (DecaBDE) 十溴联苯醚	EPA 3540C, GC-MS	Bis(pentabromophenyl) ether (DecaBDE) 十溴联苯醚
58	Pentacosafluorotridecanoic acid 全氟十三酸	EPA 3540C, HPLC	Pentacosafluorotridecanoic acid 全氟十三酸
59	Tricosafluorododecanoic acid 全氟十二烷酸	EPA 3540C, HPLC	Tricosafluorododecanoic acid 全氟十二烷酸
60	Henicosafluoroundecanoic acid 全氟十一烷酸	EPA 3540C, HPLC	Henicosafluoroundecanoic acid 全氟十一烷酸
61	Heptacosafluorotetradecanoi c acid 全氟代十四酸	EPA 3540C, HPLC	Heptacosafluorotetradecanoic acid 全氟代十四酸
62	Diazene-1,2-dicarboxamide(C,C'-azodi(formamide)) 偶氮二甲酰胺	EPA 3540C, HPLC	Diazene-1,2-dicarboxamide(C,C'-azodi(for mamide)) 偶氮二甲酰胺



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63	Cyclohexane-1,2-dicarboxyli c anhydride [1] cis-cyclohexane-1,2-dicarbo xylic anhydride [2] trans-cyclohexane-1,2-dicarb oxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]. 甲氧基乙酸	EPA 3540C, GC-MS	Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]. 甲氧基乙酸
64	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cisand trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry] 甲基六氢苯酐、4-甲基六氢苯 酐、甲基六氢化邻苯二甲酸 酐、3-甲基六氢苯二甲酯酐	EPA 3540C, GC-MS	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry] 甲基六氢苯酐、4-甲基六氢苯酐、甲基六氢苯二甲酸酐、3-甲基六氢苯二甲酯酐

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65	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] 4-壬基(支链与直链)苯酚	EPA 3540C, GC-MS	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] 4-壬基(支链与直链)苯酚
66	4-(1,1,3,3-tetramethylbutyl)p henol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues] 对特辛基苯酚乙氧基醚	EPA 3540C, GC-MS	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues] 对特辛基苯酚乙氧基醚
67	Methoxyacetic acid 六氢邻苯二甲酸酐、六氢-1,3-异苯并呋喃二酮、反-1,2-环己烷二羧酸酐	EPA 3540C, GC-MS	Methoxyacetic acid 六氢邻苯二甲酸酐、六氢-1,3-异苯并呋喃二酮、反-1,2-环己烷二羧酸酐
68	N,N-dimethylformamide N,N-二甲基甲酰胺	EPA 3540C, GC-MS	N,N-dimethylformamide N,N-二甲基甲酰胺
69	Dibutyltin dichloride (DBTC) 二丁基二氯化锡(DBTC)	EPA 3540C, GC-MS	DibutyItin dichloride (DBTC) 二丁基二氯化锡(DBTC)
70	1-bromopropane (n-propyl bromide) 溴代正丙烷	EPA 3540C, GC-MS	1-bromopropane (n-propyl bromide) 溴代正 丙烷
71	Methyloxirane (Propylene oxide) 环氧丙烷	EPA 3540C, GC-MS	Methyloxirane (Propylene oxide) 环氧丙烷
72	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear 支链和直链 1,2-苯 二羧二戊酯	EPA 3540C, GC-MS	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear 支链和直链 1,2-苯二羧二戊酯
73	Diisopentylphthalate (DIPP) 邻苯二甲酸二异戊酯 (DIPP)	EPA 3540C, GC-MS	Diisopentylphthalate (DIPP) 邻苯二甲酸二 异戊酯 (DIPP)

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74	N-pentyl-isopentylphthalate 邻苯二甲酸正戊基异戊基酯	EPA 3540C, GC-MS	N-pentyl-isopentylphthalate 邻苯二甲酸正戊基异戊基酯
75	1,2-diethoxyethane 乙二醇二乙醚	EPA 3540C, GC-MS	1,2-diethoxyethane 乙二醇二乙醚
76	Furan 呋喃	EPA 3540C, GC-MS	Furan 呋喃
77	Diethyl sulphate 硫酸二乙酯	EPA 3540C, GC-MS	Diethyl sulphate 硫酸二乙酯
78	Dimethyl sulphate 硫酸二甲酯	EPA 3540C, GC-MS	Dimethyl sulphate 硫酸二甲酯
79	3-Ethyl-2-methyl-2-(3-methyl butyl)-1,3-oxazolidine 3-乙基-2-甲基-2-(3-甲基丁基)噁唑烷	EPA 3540C, GC-MS	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxaz olidine 3-乙基-2-甲基-2-(3-甲基丁基)噁唑烷
80	Dinoseb (6-sec-butyl-2,4-dinitrophenol) 地乐酚	EPA 3540C, GC-MS	Dinoseb (6-sec-butyl-2,4-dinitrophenol) 地 乐酚
81	4,4'-Methylenedi-o-toluidine 4,4'-二氨基-3,3'-二甲基二苯 甲烷	EPA 3540C, GC-MS	4,4'-Methylenedi-o-toluidine4,4'- 二 氨 基-3,3'-二甲基二苯甲烷
82	4,4'-Oxydianiline and its salts4,4'-二氨基二苯醚	EPA 3540C, GC-MS	4,4'-Oxydianiline and its salts4,4'-二氨基二 苯醚
83	4-Aminoazobenzene 对氨基偶氮苯	EPA 3540C, GC-MS	4-Aminoazobenzene 对氨基偶氮苯
84	4-Methyl-m-phenylenediamin e (toluene-2,4-diamine) 2,4-二氨基甲苯	EPA 3540C, GC-MS	4-Methyl-m-phenylenediamine (toluene-2,4-diamine) 2,4-二氨基甲苯
85	6-Methoxy-m-toluidine (p-cresidine) 2-甲氧基-5-甲基苯胺	EPA 3540C, GC-MS	6-Methoxy-m-toluidine (p-cresidine) 2-甲氧基-5-甲基苯胺
86	Biphenyl-4-ylamine 4-氨基联苯	EPA 3540C, GC-MS	Biphenyl-4-ylamine4-氨基联苯
87	o-Aminoazotoluene [(4-o-tolylazo-o-toluidine)) 邻氨基偶氮甲苯	EPA 3540C, GC-MS	o-Aminoazotoluene [(4-o-tolylazo-o-toluidine)) 邻氨基偶氮甲苯
88	o-Toluidine 邻甲基苯胺	EPA 3540C, GC-MS	o-Toluidine 邻甲基苯胺
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89	N-Methylacetamide N-甲基乙酰胺	EPA 3540C, GC-MS	N-Methylacetamide N-甲基乙酰胺
90	Cadmium 镉	EPA 3052, ICP-OES	Cadmium, Cadmium oxide, Cadmium chloride, Cadmium fluoride, Cadmium sulphide, Cadmium sulfate, Cadmium nitrate, Cadmium carbonate, Cadmium hydroxide 镉,氧化镉,氯化镉,氟化镉, 硫化镉, 硝酸镉, 碳酸镉, 氢氧化镉
91	Dipentyl phthalate (DPP) 邻苯二甲酸二正戊酯 (DPP)	EPA 3540C, GC-MS	Dipentyl phthalate (DPP) 邻苯二甲酸二正戊酯 (DPP)
92	4-Nonylphenol, branched and linear, ethoxylated[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof] 4-壬基酚,支链和直连,乙氧基	EPA 3540C, GC-MS	4-Nonylphenol, branched and linear, ethoxylated[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof] 4-壬基酚,支链和直连,乙氧基
93	Ammonium pentadecafluorooctanoate (APFO) 全氟辛酸铵(APFO)	EPA 3540C, GC-MS	Ammonium pentadecafluorooctanoate (APFO) 全氟辛酸铵(APFO)
94	Pentadecafluorooctanoic acid (PFOA) 全氟辛酸(PFOA)	EPA 3540C, GC-MS	Pentadecafluorooctanoic acid (PFOA) 全氟辛酸(PFOA)
95	Di-n-hexyl phthalate(DHXP) 邻苯二甲酸二己酯(DHXP)	EPA 3540C, GC-MS	Di-n-hexyl phthalate(DHXP) 邻苯二甲酸二己酯(DHXP)

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96	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbi s(azo)]bis(4-aminonaphthale ne-1-sulphonate(C.I.Direct Red 28) CI 直接红 28	EPA 3540C, HPLC	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-a minonaphthalene-1-sulphonate(C.I.Direct Red 28) CI 直接红 28
97	Disodium 4-amino-3-[[4'-[(2,4-diaminop henyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylaz o)naphthalene-2,7-disulphon ate(C.I.Direct Black 38) CI 直 接黑 38	EPA 3540C, HPLC	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate(C.I.Direct Black 38) CI 直接黑 38
98	2-Imidazolidinethione 亚乙基硫脲	EPA 3540C, HPLC	2-Imidazolidinethione 亚乙基硫脲
99	Trixylyl phosphate 磷酸三(二甲苯)酯	EPA 3540C, GC-MS	Trixylyl phosphate 磷酸三(二甲苯)酯
100	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear邻苯二甲酸二己酯	EPA 3540C, GC-MS	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear邻苯二甲酸二己酯
101	ultraviolet absorbent UV-328 紫外吸收剂 UV-328	EPA 3540C, HPLC	ultraviolet absorbent UV-328紫外吸收剂 UV-328
102	ultraviolet absorbent UV-320 紫外吸收剂 UV-320	EPA 3540C, HPLC	ultraviolet absorbent UV-320紫外吸收剂 UV-320
103	DOTE	EPA 3540C, HPLC	DOTE
104	DOTE and MOTEreaction product DOTE和MOTE反应 产物	EPA 3540C, HPLC	DOTE and MOTEreaction product DOTE和 MOTE反应产物
105	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 (EC No. 201-559-5) 1,2-苯二羧二-碳 6-10-烷基酯; (癸基、己基、辛基)酯与1,2-苯二甲酸的复合物	EPA 3540C, GC-MS	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 (EC No. 201-559-5) 1,2-苯二羧二-碳6-10-烷基酯; (癸基、己基、辛基)酯与1,2-苯二甲酸的复合物



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106	5-sec-butyl-2-(2,4-dimethylcy clohex-3-en-1-yl)-5-methyl-1, 3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcy clohex-3-en-1-yl)-5-methyl-1, 3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof] 5-仲丁基-丁基-2-(2,4-二甲基环己胺-3-乙二胺-1-基)-5-甲基-1,3-二氧乙烷 [1],5-仲丁基-丁基-2-(4,6-二甲基环己胺-3-乙二胺-1-基)-5-甲基-1,3-二氧乙烷[2] (这两种物质的异构体以及它们的混合物	EPA 3540C, HPLC	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof] 5-仲丁基-丁基-2-(2,4-二甲基环己胺-3-乙二胺-1-基)-5-甲基-1,3-二氧乙烷 [1] ,5-仲丁基-丁基-2-(4,6-二甲基环己胺-3-乙二胺-1-基)-5-甲基-1,3-二氧乙烷[2] (这两种物质的异构体以及它们的混合物
107	1,3-propanesultone 1,3-丙烷磺内酯	EPA 3540C, HPLC	1,3-propanesultone 1,3-丙烷磺内酯
108	2,4-di-tert-butyl-6-(5-chlorob enzotriazol-2-yl)phenol (UV-327) 2,4-二-叔丁基-6-(5-氯-2H-苯 并三唑-2-基)苯酚(UV-327)	EPA 3540C, HPLC	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) 2,4-二-叔丁基-6-(5-氯-2H-苯并三唑-2-基)苯酚(UV-327)
109	2-(2H-benzotriazol-2-yl)-4-(te rt-butyl)-6-(sec-butyl)phenol (UV-350) 2-(2'-羟基-3'-异丁基-5'-叔丁 基苯基)苯并三唑(UV-350)	EPA 3540C, HPLC	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec -butyl)phenol (UV-350) 2-(2'-羟基-3'-异丁基-5'-叔丁基苯基)苯并三唑 (UV-350)
110	Nitrobenzene 硝基苯	EPA 3540C, HPLC	Nitrobenzene 硝基苯

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111	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononanoic acid and its sodium and ammonium salts 全氟壬酸及盐 (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-十七氟壬酸和其钠和铵盐	EPA 3540C, HPLC	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadeca fluorononanoic acid and its sodium and ammonium salts 全氟壬酸及盐 (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-十七氟壬酸和其钠和铵盐
112	Benzo[def]chrysene (Benzo[a]pyrene)(BaP) 苯并[def]屈 苯并(a)芘(BaP)	AfPS GS 2014:01 PAK, GC-MS	Benzo[def]chrysene (Benzo[a]pyrene)(BaP) 苯并[def]屈 苯并(a)芘(BaP)
113	4,4'-isopropylidenediphenol (bisphenol A)(BPA) 4,4'-异亚丙基双酚 (BPA)	EPA 3540C, HPLC	4,4'-isopropylidenediphenol (bisphenol A) 4,4' -异亚丙基双酚(BPA)
114	4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB-and well-defined substances which include any of the individual isomers or a combination thereof] (4-HPbl) 4-庚基苯酚,直链和支链[苯酚的4号位被碳原子数为7的烷基取代的产物,包括UVCB-、所有单一同分异构体及其组合] (4-HPbl)	EPA 3540C, HPLC	4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] (4-HPbl) 4-庚基苯酚,直链和支链[苯酚的4号位被碳原子数为7的烷基取代的产物,包括UVCB-、所有单一同分异构体及其组合] (4-HPbl)
115	p-(1,1-dimethylpropyl)phenol 对叔戊基苯酚	EPA 3540C, HPLC	p-(1,1-dimethylpropyl)phenol 对叔戊基苯酚



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116	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts 全氟癸酸(PFDA)及其钠盐和 铵盐	EPA 3540C, HPLC	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts 全氟癸酸(PFDA)及其钠盐和铵盐
117	Perfluorohexane-1-sulp honic acid and its salts (PFHxS) 全氟辛烷-1 -磺酸及其盐类(PFHxS)	EPA 3540C, HPLC	Perfluorohexane-1-sulp honic acid and its salts (PFHxS) 全氟辛烷-1 -磺酸及其盐类(PFHxS)
118	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof) 得克隆(包括其所有反式和顺式异构体及其组合)	EPA 3540C, HPLC	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof) 得克隆(包括其所有反式和顺式异构体及其组合)
119	Benz[a]anthracene 苯并[a]蒽	AfPS GS 2014:01 PAK, GC-MS	Benz[a]anthracene 苯并[a]蒽
120	Chrysene 屈	AfPS GS 2014:01 PAK, GC-MS	Chrysene 屈
121	Reaction products of 1,3,4-thiadiazolidine-2,5-dithi one, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear] 1,3,4-噻二唑烷-2,5-二硫酮,甲醛和 4-庚基苯酚的支链和直链 (RP-HP)的反应产物[4-庚基苯酚,支链和直	EPA 3540C, HPLC	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear] 1,3,4-噻二唑烷-2,5-二 硫酮,甲醛和 4-庚基苯 酚的支链和直链 (RP-HP)的反应产物[4- 庚基苯酚,支链和直
122	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride(TMA) 苯-1,2,4-三羧酸 1,2-酐(偏苯 三酸酐)(TMA)	EPA 3540C, GC-MS	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride(TMA) 苯-1,2,4-三羧酸 1,2-酐 (偏苯三酸酐)(TMA

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123	Dicyclohexyl phthalate(DCHP) 邻苯二甲酸二环己酯(DCHP)	EPA 3540C, GC-MS	Dicyclohexyl phthalate(DCHP) 邻苯二甲酸二环己酯(DCHP)
124	Benzo[g,h,i]perylene 苯并[G,H,I]菲	Afps GS 2014:01 PAK, GC-MS	Benzo[g,h,i]perylene 苯并[G,H,I]菲
125	Octamethylcyclotetrasiloxan e(D4) 八甲基环四硅氧烷(D4)	EPA 3540C, GC-MS	Octamethylcyclotetrasiloxane(D4) 八甲基环四硅氧烷(D4)
126	Decamethylcyclopentasiloxa ne(D5) 十甲基环五硅氧烷(D5)	EPA 3540C, GC-MS	Decamethylcyclopentasiloxane(D5) 十甲基环五硅氧烷(D5)
127	Dodecamethylcyclohexasilox ane(D6) 十二甲基环六硅氧烷(D6)	EPA 3540C, GC-MS	Dodecamethylcyclohexasiloxane(D6) 十二甲基环六硅氧烷(D6)
128	Ethylenediamine 乙二胺	EPA 3540C, GC-MS	Ethylenediamine 乙二胺
129	Terphenyl, hydrogenated 氢化三联苯	EPA 3540C, GC-MS	Terphenyl, hydrogenated 氢化三联苯
130	2,2-bis(4'-hydroxyphenyl)-4 -methylpentane 4,4'-(1,3-二甲基丁基)二苯酚	EPA 3540C, HPLC	2,2-bis(4'-hydroxyphenyl)-4 -methylpentane 4,4'-(1,3-二甲基丁基)二苯酚
131	Benzo[[k]fluoranthene(BkF) 苯并(k)荧蒽	Afps GS 2014:01 PAK, GC-MS	Benzo[[k]fluoranthene(BkF) 苯并(k)荧蒽
132	Fluoranthene(FLT)	Afps GS 2014:01 PAK, GC-MS	Fluoranthene(FLT) 荧蒽
133	Phenanthrene(PHE) 菲	Afps GS 2014:01 PAK, GC-MS	Phenanthrene(PHE) 菲
134	Pyrene(PYR) 芘	Afps GS 2014:01 PAK, GC-MS	Pyrene(PYR) 芘
135	1,7,7-trimethyl-3-(phenylmet hylene)bicyclo[2.2.1]heptan -2-one (3-benzylidene camphor) 1,7,7-三甲基-3-(苯亚甲基)双环[2,2,1]庚-2-酮(3-亚苄基樟脑)	EPA 3540C, HPLC	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor) 1,7,7-三甲基-3-(苯亚甲基)双环[2,2,1]庚-2-酮 (3-亚苄基樟脑)



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Test Result(s)

测试结果:

Description of Specimen Screw locking sealant(whole test)

螺纹锁固密封剂 (整体测) 样品描述

The first fourteen substances of SVHC (Released in Oct, 2008)

第一批 14 种 SVHC (2008 年 10 月公布)

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
p S	Bis(tributyItin)oxide (TBTO) 三丁基氧化锡 (TBTO)	56-35-9	PBT 持续性,生物累积性及毒性物质(PBT)	0.020	N.D.	0.1
2	Diarsenic pentaoxide** 五氧化二砷**	1303-28-2	Carcinogen Cat.1 第 一类致癌物	0.020	N.D.	0.1
3	Diarsenic trioxide** 三氧化二砷**	1327-53-3	Carcinogen Cat.1 第 一类致癌物	0.020	N.D.	0.1
4	Triethyl arsenate** 三乙基砷酸酯**	15606-95-8	Carcinogen Cat.1 第 一类致癌物	0.020	N.D.	0.1
5	Lead hydrogen arsenate** 砷酸氢铅**	7784-40-9	Toxic to Reproduction Cat.1;Carcinogen Cat.1 第一类致癌物; 第一类生殖毒性物质	0.020	N.D.	0.1
6	Cobalt dichloride** 氯化钴**	7646-79-9	Carcinogen Cat.2 第 二类致癌物	0.020	N.D.	0.1
75	Sodium dichromate ** 重铬酸钠**	7789-12-0, 10588-01-9	Carcinogen Cat.2; Mutagen Cat.2; Toxic to Reproduction Cat.2 第二类致癌物; 第二类诱导有机体突 变的物质;第二类生 殖毒性物质	0.020	N.D.	0.1
8	Anthracene 蒽	120-12-7	PBT 持续性,生物累积性及毒性物质(PBT)	0.020	N.D.	0.1





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No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
9	4,4'-Diaminodiphenyl methane (MDA) 4,4'- 二氨基二苯基甲烷 (MDA)	101-77-9	Carcinogen Cat.2 第 二类致癌物	0.020	N.D.	0.1
10	Dibutyl phthalate (DBP) 邻苯二甲酸二丁酯 (DBP)	84-74-2	Toxic to Reproduction Cat.2第二类生殖毒性 物质	0.020	N.D.	0.1
11	Benzyl butyl phthalate (BBP) 邻苯二甲酸丁苄酯 (BBP)	85-68-7	Toxic to Reproduction Cat.2 第二类生殖毒 性物质	0.020	N.D.	0.1
12	5-tert-butyl-2,4,6-trinitr o-m-xylene (musk xylene) 二甲苯麝香	81-15-2	VPvB 非常持久,高度 生物累积性物质	0.020	N.D.	0.1
13	Hexabromocyclodode cane(HBCDD) and all major diastereoisomer s identified 六溴环十二烷及其主要同分异构体(HBCDD)	25637-99-4, 3194-55-6 (134237-50-6, , 134237-51-7, 134237-52-8)	PBT 持续性,生物累积性及毒性物质(PBT)	0.020	N.D.	0.1
14	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCP) 短链氯化石蜡(SCCP)	85535-84-8	PBT; vPvB 持续性,生物累积性及毒性物质(PBT)非常持久,高度生物累积性物质	0.020	N.D.	0.1



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The second thirteen substances of SVHC (Released in Jan, 2010 and Mar, 2010)

第二批13种SVHC (2010年1月和3月公布)

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
15	Anthracene oil 蒽油	90640-80-5	PBT 持续性,生物累积性及毒性物质(PBT)	0.020	N.D.	0.1
16	Anthracene oil, Anthracene paste, Distn, lights 蔥油、蔥糊、轻油	91995-17-4	PBT 持续性,生物累积性及毒性物质(PBT)	0.020	N.D.	0.1
17	Anthracene oil, Anthracene paste, Anthracene fraction 蔥油、蔥糊、蔥馏分	91995-15-2	PBT 持续性,生物累积性及毒性物质(PBT)	0.020	N.D.	0.1
18	Anthracene oil, Anthracene-low 蔥油、少蔥	90640-82-7	PBT 持续性,生物累积性及毒性物质(PBT)	0.020	N.D.	0.1
19	Anthracene oil, Anthracene paste 蔥油、蔥糊	90640-81-6	PBT 持续性,生物累积性及毒性物质(PBT)	0.020	N.D.	0.1
20	Pitch, Coal tar, High temp. 高温煤沥青	65996-93-2	PBT 持续性,生物累积性及毒性物质(PBT)	0.020	N.D.	0.1
21	Acrylamide 丙烯酰胺	79-06-1	Mutagen Category 2 第二类诱导有机体突 变的物质;	0.020	N.D.	0.1
22	2,4-Dinitrotoluene 2,4-二硝基甲苯	121-14-2	Carcinogen Cat.2 第 二类致癌物	0.020	N.D.	0.1
23	Diisobutyl phthalate(DIBP) 邻苯二甲酸二异丁酯 (DIBP)	84-69-5	Toxic to Reproduction Cat.2第二类生殖毒性 物质	0.020	N.D.	0.1

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No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
24	Lead chromate** 铬酸铅**	7758-97-6	Toxic to Reproduction Cat.1;Carcinogen Cat.2第二类致癌物; 第一类生殖毒性物质	0.020	N.D.	0.1
25	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) ** 钼铬酸铅红(C.I.颜料 红 104) **	12656-85-8	Toxic to Reproduction Cat.1;Carcinogen Cat.2第二类致癌物; 第一类生殖毒性物质	0.020	N.D.	0.1
26	Lead sulfochromate yellow(C.I.Pigment Yellow 34) **铬酸铅黄(C.I.颜料黄 34)**	1344-37-2	Toxic to Reproduction Cat.1;Carcinogen Cat.2第二类致癌物; 第一类生殖毒性物质	0.020	N.D.	0.1
27	Tris(2-chloroethyl)pho sphate 三(2-氯乙基) 磷酸盐	115-96-8	Toxic to Reproduction Cat.2 第二类生殖毒 性物质	0.020	N.D.	0.1

The third eight substances of SVHC (Released in Jun, 2010)

第三批 8 种 SVHC (2010 年 6 月公布)

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
28	Trichloroethylene 三氯乙烯	79-01-6	Carcinogen Cat.2第二类 致癌物	0.020	N.D.	0.1
29	Boric acid** 硼酸**	10043-35-3/ 11113-50-1	Toxic to Reproduction Cat.2第二类生殖毒性物质	0.020	N.D.	0.1
30	Disodium tetraborate, anhydrous** 无水四硼酸钠**	1330-43-4/ 12179-04-3/ 1303-96-4	Toxic to Repr oduction Cat.2第二类生殖毒性物质	0.020	N.D.	0.1



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No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
31	Tetraboron disodium heptaoxide, Hydrate** 水合硼酸钠**	12267-73-1	Toxic to Reproduction Cat.2第二类生殖毒性物质	0.020	N.D.	0.1
32	Sodium chromate** 铬酸钠**	7775-11-3	Carcinogen Cat.2; Mutagen Category 2; Toxic to Reproduction Cat.2第二类致癌物;第二 类诱导有机体突变的物质; 第二类生殖毒性物质	0.020	N.D.	0.1
33	Potassium chromate** 铬酸钾**	7789-00-6	Carcinogen Cat.2; Mutagen Category 2第二 类致癌物; 第二类诱导有 机体突变的物质	0.020	N.D.	0.1
34	Ammonium dichromate** 重铬酸铵**	7789-09-5	Carcinogen Cat.2; Mutagen Category 2; Toxic to Reproduction Cat.2第二类致癌物; 第二 类诱导有机体突变的物质; 第二类生殖毒性物质	0.020	N.D.	0.1
35	Potassium dichromate** 重铬酸钾**	7778-50-9	Carcinogen Cat.2; Mutagen Category 2; Toxic to Reproduction Cat.2第二类致癌物; 第二 类诱导有机体突变的物质; 第二类生殖毒性物质	0.020	N.D.	0.1



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The fourth eight substances of SVHC (Released in Dec, 2010)

第四批 8 种 SVHC (2010 年 12 月公布)

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
36	Cobalt(II) sulphate** 硫酸钴**	10124-43-3	Carcinogenic and toxic to reproduction in accordance with REACH Art. 57(a) and 57(c) 致癌物和生殖毒性物质分类参照REACH 第57(a) 和 57(c)章节	0.020	N.D.	0.1
37	Cobalt(II) dinitrate** 硝酸钴**	10141-05-6	Carcinogenic and toxic to reproduction in accordance with REACH Art. 57(a) and 57(c) 致癌物和生殖毒性物质分类参照REACH 第57(a) 和 57(c)章节	0.020	N.D.	0.1
38	Cobalt(II) carbonate** 碳酸钴**	513-79-1	Carcinogenic and toxic to reproduction in accordance with REACH Art. 57(a) and 57(c) 致癌物和生殖毒性物质分类参照REACH 第57(a) 和 57(c)章节	0.020	N.D.	0.1
39	Cobalt(II) diacetate** 醋酸钴**	71-48-7	Carcinogenic and toxic to reproduction in accordance with REACH Art. 57(a) and 57(c) 致癌物和生殖毒性物质分类参照REACH 第57(a) 和 57(c)章节	0.020	N.D.	0.1
40	2-Methoxyethanol 乙二醇单甲醚	109-86-4	Toxic to reproduction in accordance with REACH Art. 57(c) 生殖毒性物质分类参照 REACH 第57(c)章节	0.020	N.D.	0.1



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No. 序号	Test Item 测试项目	sí c	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
41		2-Ethoxyethanol 乙二醇单乙醚 110-80-5		Toxic to reproduction in accordance with REACH Art. 57(c) 生殖毒性物质分类参照 REACH 第57(c)章节	0.020	N.D.	0.1
42	Chromium t 三氧化铬**	rioxide**	1333-82-0	Carcinogenic and mutagenic in accordance with REACH Art. 57(a) and 57(b) 致癌物和诱导有机体突变的物质分类参照 REACH 第57(a) 和57(b)章节	0.020	N.D.	0.1
	Acids	Chromic acid**铬酸 **	7738-94-5	Carcinogenic in	0.020	N.D.	0.1
	generated from chromium	Dichromic acid**重铬 酸**	13530-68-2		0.020	N.D.	0.1
trioxide and their oligomers 铬酸及其 低聚物产生的酸类: trioxide and oligomers of chromic acid and dichromic acid**络酸和重铬酸的低聚物**		accordance with REACH Art.57(a) 致癌 物质分类参照 REACH 第 57(a) 章节	0.020	N.D.	0.1		



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The fifth seven substances of SVHC (Released in Jun, 2011)

第五批 7 种 SVHC (2011 年 6 月公布)

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
44	2-Ethoxyethyl acetate乙二醇乙醚乙酸酯	111-15-9	Toxic to reproduction, cat. 2 第二类致癌物; 第二类诱导有机体突变的物质; 第二类生殖毒性物质	0.020	N.D.	0.1
45	Strontium chromate** 铬酸锶**	7789-06-2	Carcinogen, cat. 2 第二类 致癌物;第二类诱导有机体 突变的物质;第二类生殖毒 性物质	0.020	N.D.	0.1
46	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)烷基酯(DHNUP)*	68515-42-4	Toxic to reproduction, cat. 2 第二类致癌物; 第二类诱导有机体突变的物质;第二类生殖毒性物质	0.020	N.D.	0.1
47	Hydrazine肼	7803-57-8 302-01-2	Carcinogen, cat. 2 第二类 致癌物;第二类诱导有机体 突变的物质;第二类生殖毒 性物质	0.020	N.D.	0.1
48	1-Methyl-2-pyrrolidone N-甲基吡咯烷酮	872-50-4	Toxic to reproduction, cat. 2 第二类致癌物; 第二类诱导有机体突变的物质; 第二类生殖毒性物质	0.020	N.D.	0.1
49	1,2,3-Trichloropropane 1,2,3-三氯丙烷	96-18-4	Toxic to reproduction, cat. 2 第二类致癌物: 第二 类诱导有机体突变的物质; 第二类生殖毒性物质	0.020	N.D.	0.1
50	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	Toxic to reproduction, cat. 2 第二类致癌物; 第二类诱导有机体突变的物质;第二类生殖毒性物质	0.020	N.D.	0.1



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The sixth twenty substances of SVHC (Released in Dec, 2011)

第六批 20 种 SVHC (2011 年 12 月公布)

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
51	Dichromium ris(chromate)** 铬酸铬**	24613-89-6	Carcinogen Cat.2 第二类致癌物	0.020	N.D.	0.1
52	Potassium hydroxyoctaoxodizincatedichromate** 氢氧化铬酸锌钾**	11103-86-9	Carcinogen Cat.2 第二类致癌物	0.020	N.D.	0.1
53	Pentazinc chromate octahydroxide**锌黄(C.I.颜料黄36)**	49663-84-5	Carcinogen Cat.2 第二类致癌物	0.020	N.D.	0.1
54	Aluminosilicate Refractory Ceramic Fibres (RCF)** 硅酸铝耐火陶瓷纤维 (RCF)**	- 07	Carcinogen Cat.2 第二类致癌物	0.020	N.D.	0.1
55	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)** 氧化锆硅酸铝耐火陶瓷纤 维(Zr-RCF)**	-CP 51	Carcinogen Cat.2 第二类致癌物	0.020	N.D.	0.1
56	Formaldehyde, Oligomeric reaction products with aniline (technical MDA) 甲醛苯胺共聚物	25214-70-4	Carcinogen Cat.2 第二类致癌物	0.020	N.D.	0.1
57	Bis(2-methoxyethyl) phthalate (DMEP) 邻苯二甲酸二甲氧乙酯 (DMEP)	117-82-8	Toxic to reproduction, cat. 2 第二类生殖 毒性物质	0.020	N.D.	0.1
58	2-Methoxyaniline, o-Anisidine邻甲氧 基苯胺	90-04-0	Carcinogen Cat.2 第二类致癌物	0.020	N.D.	0.1

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No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
59	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol) 对特辛基苯酚	140-66-9	Carcinogen Cat.2; Toxic to reproduction, cat. 2 第二类致癌 物; 第二类诱导有 机体突变的物质; 第二类生殖毒性物 质	0.020	N.D.	0.1
60	1,2-Dichloroethane 1,2-二氯乙烷	107-06-2	Carcinogen Cat.2 第二类致癌物	0.020	N.D.	0.1
61	Bis(2-methoxyethyl) ether 二乙二醇二甲醚	111-96-6	Toxic to reproduction, cat. 2 第二类生殖 毒性物质	0.020	N.D.	0.1
62	Arsenic acid**砷酸**	7778-39-4	Carcinogen Cat.2 第二类致癌物	0.020	N.D.	0.1
63	Calcium arsenate**砷酸钙**	7778-44-1	Carcinogen Cat.2 第二类致癌物	0.020	N.D.	0.1
64	Trilead diarsenate**神酸铅**	3687-31-8	Carcinogen Cat.2; Toxic to reproduction, cat. 2 第二类致癌 物;第二类生殖毒 性物质	0.020	N.D.	0.1
65	N,N-dimethylacetamide (DMAC) N,N-二甲基乙酰胺(DMAC)	127-19-5	Toxic to reproduction, cat. 2 第二类生殖 毒性物质	0.020	N.D.	0.1
66	2,2'-Dichloro-4,4'-methylenedianiline (MOCA) 2,2'-二氯-4,4'-二氨基二苯基甲烷 (MOCA)	101-14-4	Carcinogen Cat.2 第二类致癌物	0.020	N.D.	0.1



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No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
67	Phenolphthalein酚酞	77-09-8	Carcinogen Cat.2 第二类致癌物	0.020	N.D.	0.1
68	Lead diazide Lead azide **叠氮化铅**	13424-46-9	Toxic to reproduction, cat. 2 第二类生殖 毒性物质	0.020	N.D.	0.1
69	Lead styphnate** 2,4,6-三硝基苯二酚铅 (收敛酸铅)**	15245-44-0	Toxic to reproduction, cat. 2 第二类生殖 毒性物质	0.020	N.D.	0.1
70	Lead dipicrate**苦味酸铅**	6477-64-1	Toxic to reproduction, cat. 2 第二类生殖 毒性物质	0.020	N.D.	0.1

The seventh thirteen substances of SVHC (Released in Jun, 2012)

第七批 13 种 SVHC (2012 年 6 月公布)

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
71	1,2-Bis(2-methoxyethoxy) ethane(TEGDME; triglyme) 三甘醇二 甲醚	112-49-2	Toxic to reproduction, cat. 2 第二类生殖 毒性物质	0.020	N.D.	0.1
72	1,2-Dimethoxyethane; Ethyleneglycol dimethyl ether (EGDME) 1,2-二甲氧基乙烷	110-71-4	Toxic to reproduction, cat. 2第二类生殖 毒性物质	0.020	N.D.	0.1
73	Diboron trioxide** 三氧化二硼**	1303-86-2	Toxic to reproduction, cat. 2第二类生殖 毒性物质	0.020	N.D.	0.1

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No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
74	Formamide甲酰胺	75-12-7	Toxic to reproduction, cat. 2第二类生殖 毒性物质	0.020	N.D.	0.1
75	Lead (II) bis (methanesulfonate) ** 甲基磺酸铅(II) **	17570-76- 2	Toxic to reproduction, cat. 2第二类生殖 毒性物质	0.020	N.D.	0.1
76	TGIC(1,3,5-tris (oxiranylmethyl)-1,3,5-triazine-2,4,6 (1H,3H,5H)-trione) 异氰尿酸三缩水 甘油酯	2451-62-9	Mutagen Cat.2第 二类诱导有机体突 变的物质	0.020	N.D.	0.1
77	β-TGIC(1,3,5-tris[(2Sand2R)-2,3-epo xypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) 异氰脲酸B-三缩水甘油酯	59653-74- 6	Mutagen Cat.2第 二类诱导有机体突 变的物质	0.020	N.D.	0.1
78	4,4'-Bis(dimethylamino)benzophenon e(Michler's ketone) 4,4'-四甲基二氨二苯酮	90-94-8	Carcinogen Cat.2 第二类致癌物	0.020	N.D.	0.1
79	N,N,N',N'-tetramethyl-4,4'-methylene dianiline (Michler's base) 4,4'-亚甲基双(N, N-二甲基苯胺)	101-61-1	Carcinogen Cat.2 第二类致癌物	0.020	N.D.	0.1
80	[4-[4,4'-Bis(dimethylamino)benzhydry lidene] cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I.Basic Violet 3) 碱性紫3	548-62-9	Carcinogen Cat.2 第二类致癌物	0.020	N.D.	0.1
81	[4-[[4-Anilino-1-naphthyl][4-(dimethyl amino)phenyl]methylene]cyclohexa-2 ,5-dien-1-ylidene]dimethylammonium chloride (C.I.Basic Blue 26) 碱性蓝 26	2580-56-5	Carcinogen Cat.2 第二类致癌物	0.020	N.D.	0.1
82	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methan ol (C.I. Solvent Blue 4)溶剂蓝4	6786-83-0	Carcinogen Cat.2 第二类致癌物	0.020	N.D.	0.1



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No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
83	4,4'-Bis(dimethylamino)-4"-(methyla mino)trityl alcohol1 α, α-二[(二甲氨基)苯基]-4-甲氨基苯甲醇	561-41-1	Carcinogen Cat.2 第二类致癌物	0.020	N.D.	0.1

The eighth fifty-four substances of SVHC (Released in Dec, 2012)

第八批 54 种 SVHC (2012 年 12 月公布)

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
84	Bis(pentabromophenyl) ether (DecaBDE) 十溴联苯醚	1163-19-5	PBT; vPvB 持续性, 生物累积性及毒性 物质; 非常持久,高 度生度累积性物质	0.020	N.D.	0.1
85	Pentacosafluorotridecanoic acid 全 氟十三酸	72629-94- 8	vPvB 非常持久,高 度生度累积性物质	0.020	N.D.	0.1
86	Tricosafluorododecanoic acid 全氟十二烷酸	307-55-1	vPvB 非常持久,高 度生度累积性物质	0.020	N.D.	0.1
87	Henicosafluoroundecanoic acid 全 氟十一烷酸	2058-94-8	vPvB 非常持久,高 度生度累积性物质	0.020	N.D.	0.1
88	Heptacosafluorotetradecanoic acid 全氟代十四酸	376-06-7	vPvB 非常持久,高 度生度累积性物质	0.020	N.D.	0.1
89	Diazene-1,2-dicarboxamide(C,C'-azodi(formamide)) 偶氮二甲酰胺	123-77-3	Equivalent level of concern having probable serious effects to human health 同等程度的 关注-可能严重影响 人类健康	0.020	N.D.	0.1



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No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
90	Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxyli c anhydride [3] [The individual cis-[2] and trans-[3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]. 六氢邻苯二甲酸酐、六氢-1,3-异苯并呋喃二酮、反-1,2-环己烷二羧酸酐	85-42-7, 13149-00- 3, 14166-21- 3	Equivalent level of concern having probable serious effects to human health 同等程度的 关注-可能严重影响 人类健康	0.020	N.D.	0.1
91	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and transstereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry] 甲基六氢苯酐、4-甲基六氢苯酐、甲基六氢化邻苯二甲酸酐、3-甲基六氢苯二甲酯酐	25550-51- 0, 19438-60- 9, 48122-14- 1, 57110-29- 9	Equivalent level of concern having probable serious effects to human health 同等程度的 关注-可能严重影响 人类健康	0.020	N.D.	0.1

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No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
92	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] 4-壬基(支链与直链)苯酚(含有线性或分支、共价绑 定苯酚的 9 个碳烷基链的物质,包括 UVCB 物质以及任何 含有独立或组合的界定明确的同分异构体的物质)		Equivalent level of concern having probable serious effects to the environment 同等程度的关注-可能严重影响人类健康	0.020	N.D.	0.1
93	4-(1,1,3,3-tetramethylbutyl)phenol , ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues] 对特辛基苯酚乙氧基醚(包括界定明确的物质以及UVCB 物质、聚合物和同系物)		Equivalent level of concern having probable serious effects to the environment 同等程度的关注-可能严重影响人类健康	0.020	N.D.	0.1
94	Methoxyacetic acid 甲氧基乙酸	625-45-6	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
95	N,N-dimethylformamid eN,N-二甲 基甲酰胺	68-12-2	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
96	Dibutyltin dichloride (DBTC) 二丁基二氯化锡(DBTC)	683-18-1	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
97	Lead monoxide (Lead oxide) **氧 化铅**	1317-36-8	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1

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No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
98	Orange lead (Lead tetroxide) **四 氧化三铅**	1314-41-6	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
99	Lead bis(tetrafluoroborate) **氟硼 酸铅**	13814-96- 5	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
100	Trilead bis(carbonate) dihydroxide**碱式碳酸铅**	1319-46-6	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
101	Lead titanium trioxide** 钛酸铅**	12060-00-	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
102	Lead titanium zirconium oxide**钛 酸铅锆**	12626-81-	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
103	Silicic acid, lead salt** 硅酸铅**	11120-22-	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
104	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped** 掺杂铅的硅酸钡**	68784-75- 8	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
105	1-bromopropane (n-propyl bromide) 溴代正丙烷	106-94-5	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
106	Methyloxirane (Propylene oxide) 环氧丙烷	75-56-9	Carcinogenic; Mutagenic 致癌性; 致诱变性	0.020	N.D.	0.1
107	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear1,2-苯二羧二戊酯(支链和直 链)	84777-06- 0	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
108	Diisopentylphthalate (DIPP) 邻苯二甲酸二异戊酯(DIPP)	605-50-5	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1

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No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
109	N-pentyl-isopentylphthalate 邻苯二甲酸正戊基异戊基酯	776297-69 -9	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
110	1,2-diethoxyethane 乙二醇二乙醚	629-14-1	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
111	Acetic acid, lead salt, basic**碱式 乙酸铅**	51404-69- 4	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
112	Lead oxide sulfate ** 碱式硫酸铅**	12036-76- 9	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
113	[Phthalato(2-)]dioxotrilead**二盐基 邻苯二甲酸铅**	69011-06- 9	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
114	Dioxobis(stearato)trilead**双(十八酸基) 二氧代三铅**	12578-12- 0	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
115	Fatty acids, C16-18, lead salts** C16-18-脂肪酸铅盐**	91031-62- 8	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
116	Lead cynamidate**氨基氰铅盐**	20837-86- 9	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
117	Lead dinitrate**硝酸铅**	10099-74- 8	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
118	Pentalead tetraoxide sulphate**氧 化铅与硫酸铅的复合物**	12065-90- 6	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
119	Pyrochlore, antimony lead yellow**颜料黄 41**	8012-00-8	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1

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No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
120	Sulfurous acid, lead salt, dibasic** 氧化铅与硫化铅的复合物**	62229-08- 7	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
121	Tetraethyllead**四乙基铅**	78-00-2	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
122	Tetralead trioxide sulphate**三碱 式硫酸铅**	12202-17- 4	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
123	Trilead dioxide phosphonate**磷酸氧化铅**	12141-20- 7	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
124	Furan 呋喃	110-00-9	Carcinogenic 致癌 性	0.020	N.D.	0.1
125	Diethyl sulphate 硫酸二乙酯	64-67-5	Carcinogenic; Mutagenic 致癌性; 致诱变性	0.020	N.D.	0.1
126	Dimethyl sulphate 硫酸二甲酯	77-78-1	Carcinogenic 致癌 性	0.020	N.D.	0.1
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine3-乙基-2-甲基-2-(3-甲基丁基)噁唑烷	143860-04 -2	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
128	Dinoseb (6-sec-butyl-2,4- dinitrophenol) 地乐酚	88-85-7	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1
129	4,4'-methylenedi-o-toluidine4,4'-二 氨基-3,3'-二甲基 二苯甲烷	838-88-0	Carcinogenic 致癌 性	0.020	N.D.	0.1
130	4,4'-oxydianiline and its salts4,4'- 二氨基二苯醚	101-80-4	Carcinogenic; Mutagenic 致癌性; 致诱变性	0.020	N.D.	0.1
131	4-aminoazobenzene 对氨基偶氮苯	1960-9-3	Carcinogenic 致癌 性	0.020	N.D.	0.1



No. C190121037001-1 编号: C190121037001-1 Date: Jan 25, 2019 日期: 2019年01月25日 Page 39 of 56 第39页,共56页

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
132	4-methyl-m-phenylenediamine (toluene-2,4-diamine) 2,4-二氨基 甲苯	95-80-7	Carcinogenic 致癌 性	0.020	N.D.	0.1
133	6-methoxy-m-toluidine (p-cresidine) 2-甲氧基-5-甲基苯胺	120-71-8	Carcinogenic 致癌 性	0.020	N.D.	0.1
134	Biphenyl-4-ylamine 4-氨基联苯	92-67-1	Carcinogenic 致癌 性	0.020	N.D.	0.1
135	o-aminoazotoluene [(4-o-tolylazo-o-toluidine]) 邻氨基 偶氮甲苯	97-56-3	Carcinogenic 致癌 性	0.020	N.D.	0.1
136	o-toluidine 邻甲基苯胺	95-53-4	Carcinogenic 致癌 性	0.020	N.D.	0.1
137	N-methylacetamide N-甲基乙酰胺	79-16-3	Toxic for reproduction 致生 殖毒性	0.020	N.D.	0.1

The ninth six substances of SVHC (Released in Jun, 2013)

第九批6种SVHC (2013年6月公布)

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
138	Cadmium 镉	7440-43-9	Carcinogenic (Article 57a);Equivalent level of concern having probable serious effects to human	0.020	N.D.	0.1
) }, }	of cross of	CP ST	health (Article 57 f) 致 癌性,会对人类引起严重 影响的等效物质			R CR G
139	Cadmium oxide**氧化镉**	1306-19-0	Carcinogenic (Article 57a);Equivalent level of concern having	0.020	N.D.	0.1



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No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
, o	CPST CPST		probable serious effects to human health (Article 57 f) 致 癌性,会对人类引起严重 影响的等效物质	251		25
140	Dipentyl phthalate (DPP) 邻苯二甲酸二正戊酯 (DPP)	131-18-0	Toxic for reproduction (Article 57c) 生殖毒性	0.020	N.D.	0.1
141	4-Nonylphenol, branched and linear, ethoxylated[substances witha linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof] 4-壬基酚,支链和直连,乙氧基		Toxic for reproduction (Article 57c) 会对人类 引起严重影响的等效物 质	0.020	N.D.	0.1
142	Ammonium pentadecafluorooctanoate (APFO) 全氟辛酸铵 (APFO)	3825-26-1	Toxic for reproduction (Article 57c); PBT (Article 57 d) 生殖毒性	0.020	N.D.	0.1
143	Pentadecafluorooctanoic acid (PFOA) 全氟辛酸 (PFOA)	335-67-1	Toxic for reproduction (Article 57c); PBT (Article 57 d) 生殖毒 性, PBT	0.020	N.D.	0.1



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The tenth seven substances of SVHC (Released in Dec, 2013)

第十批7种SVHC (2013年12月公布)

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
144	Cadmium sulphide** 硫化镉**	1306-23-6	Carcinogenic (Article 57a);Equivalent level of concern having probable serious effects to human health (Article 57 f) 致癌性,会对人类引起严重影响的等效物质	0.020	N.D.	0.1
145	Disodium 4-amino-3-[[4'-[(2,4-diami nophenyl)azo][1,1'-biphe nyl]-4-yl]azo]-5-hydroxy-6 -(phenylazo)naphthalene -2,7-disulphonate(C.I.Dir ect Black 38) CI直接黑38	1937-37-7	Carcinogenic 致癌性	0.020	N.D.	0.1
146	Di-n-hexyl phthalate (DHXP)邻苯二甲酸二己 酯(DHXP)	84-75-3	Toxic for reproduction (Article 57c) 生殖毒性	0.020	N.D.	0.1
147	2-Imidazolidinethione 亚乙基硫脲	96-45-7	Toxic for reproduction (Article 57c) 生殖毒性	0.020	N.D.	0.1
148	Trixylyl phosphate 磷酸三(二甲苯)酯	25155-23-1	Toxic for reproduction (Article 57c) 生殖毒性	0.020	N.D.	0.1
149	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-d iylbis(azo)]bis(4-aminona phthalene-1-sulphonate(C.I.Direct Red 28) CI直接 红28	573-58-0	Carcinogenic致癌性	0.020	N.D.	0.1
150	Lead acetate**醋酸铅**	301-04-2	Toxic for reproduction (Article 57c) 生殖毒性	0.020	N.D.	0.1



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The eleventh four substances of SVHC (Released in Jun, 2014)

第十一批4种SVHC (2014年6月公布)

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
151	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear 邻苯二甲酸二己酯	68515-50-4	Carcinogenic (Article 57a);Equivalent level of concern having probable serious effects to human health (Article 57 f) 生 殖毒性	0.020	N.D.	0.1
152	Sodium perborate; perboric acid, sodium salt**过硼酸钠,过硼酸钠 盐**	5 0 0 - 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Toxic for reproduction (Article 57c) 生殖毒性	0.020	N.D.	0.1
153	Sodium peroxometaborate** 过硼酸钠**	7632-04-4	Toxic for reproduction (Article 57c) 生殖毒性	0.020	N.D.	0.1
154	Cadmium chloride** 氯化镉**	10108-64-2	Toxic for reproduction (Article 57c) 致癌性,会对人类引起严重影响的等效物质	0.020	N.D.	0.1

The twelfth seven substances of SVHC (Released in Dec, 2014)

第十二批7种SVHC (2014年12月公布)

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
155	ultraviolet absorbent UV-328紫外吸收剂 UV-328	25973-55-1	PBT (Article 57 d); vPvB (Article 57 e) PBT(57d 条款); vPvB(57e条款)	0.020	N.D.	0.1
156	ultraviolet absorbent UV-320紫外吸收剂 UV-320	3846-71-7	PBT (Article 57 d); vPvB (Article 57 e) PBT(57d 条款); vPvB(57e 条款)	0.020	N.D.	0.1

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No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
157	DOTE	15571-58-1	Toxic for reproduction (Article 57c) 生殖毒性 (57c条款)	0.020	N.D.	0.1
158	DOTE and MOTE reaction product DOTE和 MOTE反应产物	- 5 C	Toxic for reproduction (Article 57 c) 生殖毒性 (57c条款)	0.020	N.D.	0.1
159	Cadmium fluoride** 氟化镉**	7790-79-6	Carcinogenic (Article 57 a); Autagenic (Article 57 b); Toxic for reproduction (Article 57 c); Equivalent level of concern having probable serious effects to human health (Article 57 f) 致癌性(57a条款) 致突变性(57b条款) 生殖毒性(57c条款) 对人体健康产生严重影 响而引起与其他特性等 同的关注,(57f条款)	0.020	N.D.	0.1
160	Cadmium sulfate** 硫酸镉**	10124-36-4; 31119-53-6	Carcinogenic (Article 57 a); Mutagenic (Article 57 b); Toxic for reproduction (Article 57 c); Equivalent level of concern having probable serious effects to human health (Article 57 f) 致癌性(57a条款)	0.020	N.D.	0.1

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No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
, S	CREAT CREAT	5 J	生殖毒性(57c条款) 对人体健康产生严重影 响而引起与其他特性等 同的关注,(57f条款)	25°		25
161	Bis(2-ethylhexyl) phthalate (DEHP) 邻苯二甲酸二(2-乙基己基)酯(DEHP)	117-81-7	Equivalent level of concern having probable serious effects to the environment (Article 57 f); Toxic for reproduction (article 57c) 对环境产生严重影响而引起与其他特性同等的关注(57f条款)生殖毒性(57c条款)	0.020	N.D.	0.1

The thirteenth two substances of SVHC (Released in Jun, 2015)

第十三批2种SVHC (2015年6月公布)

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
162	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 (EC No. 201-559-5) 1,2-苯二羧二-碳6-10-烷基酯;(癸基、己基、辛基)酯与1,2-苯二甲酸的复合物	68515-51-5 68648-93-1	Toxic for reproduction (Article 57c) 生殖毒性	0.020	N.D.	0.1

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No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
163	5-sec-butyl-2-(2,4-dimeth ylcyclohex-3-en-1-yl)-5-m ethyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimeth ylcyclohex-3-en-1-yl)-5-m ethyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof] 5-仲丁基-丁基-2-(2,4-二甲基环己胺-3-乙二胺-1-基)-5-甲基-1,3-二氧乙烷 [1],5-仲丁基-丁基-2-(4,6-二甲基环己胺-3-乙二胺-1-基)-5-甲基-1,3-二氧乙烷 [2] (这两种物质的异构体 以及它们的混合物		PBT 持久性,生物积累性和 毒性	0.020	N.D.	0.1

The fourteenth five substances of SVHC (Released in Dec, 2015)

第十四批 5 种 SVHC (2015 年 12 月公布)

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
164	1,3-propanesultone 1,3-丙烷磺内酯	1120-71-4	Carcinogenic (Article 57a) 致癌性(条款57a)	0.020	N.D.	0.1
165	2,4-di-tert-butyl-6-(5-chlor obenzotriazol-2-yl)phenol (UV-327) 2,4-二-叔丁基-6-(5-氯-2H- 苯并三唑-2-基)苯酚 (UV-327)	3864-99-1	vPvB (Article 57 e) 强持久性、强生物累积性 (条款57e)	0.020	N.D.	0.1



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No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
166	2-(2H-benzotriazol-2-yl)-4 -(tert-butyl)-6-(sec-butyl)p henol (UV-350) 2-(2'-羟基-3'-异丁基-5'-叔 丁基苯基)苯并三唑 (UV-350)	36437-37-3	vPvB (Article 57 e) 强持久性、强生物累积性 (条款57e)	0.020	N.D.	0.1
167	Nitrobenzene 硝基苯	98-95-3	Toxic for reproduction (Article 57c) 生殖毒性	0.020	N.D.	0.1
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoron onanoic acid and its sodium and ammonium salts 全氟壬酸及盐(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-十七氟壬酸和其钠和铵盐	375-95-1 21049-39-8 4149-60-4	Toxic for reproduction (Article 57c);PBT(Article 57 d) 生殖毒性(条款57c); 持久 性、生物累积性和毒性(条 款57d)	0.020	N.D.	0.1



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The fifteenth one substances of SVHC (Released in Jun, 2016)

第十五批 1 种 SVHC (2016 年 06 月公布)

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
169	Benzo[def]chrysene (Benzo[a]pyrene)(BaP) 苯并[def]屈 苯并(a)芘(BaP)	50-32-8	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) PBT (Article 57d) vPvB (Article 57e) 致癌毒性(条款 57a) 诱变毒性(条款 57b) 生殖毒性(条款 57c) PBT 持久性,生物累积性 和毒性的物质(条款 57d) vPvB高持久性,高生物累积性的物质(条款57e)	0.020	N.D.	0.1

The sixteenth four substances of SVHC (Released in Jan 2017)

第十六批 4 种 SVHC (2017 年 01 月公布)

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
170	4,4'-isopropylidenediphen ol (bisphenol A)(BPA) 4,4' -异亚丙基双酚(BPA)	80-05-7	Endocrine Disrupting(Article 57 f-human health) 内分泌干扰性(Article 57 f-人类健康) Toxic for reproduction (Article 57 c) 生殖毒性(Article 57 c)	0.020	N.D.	0.1
171	4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound		Equivalent level of concern having probable serious effects to the environment (Article 57 f) 对环境有严重影响而引起同等水平的关注(Article 57 f)	0.020	N.D.	0.1

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3955 X 55 X 55 X 55 X 55	predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] (4-HPbl) 4-庚基苯酚,直链和支链 [苯酚的4号位被碳原子数	251 C		38 S	est cr	
C.	为7的烷基取代的产物,包括UVCB-、所有单一同分异构体及其组合] (4-HPbl)	CY CRSY	S CRS CR	5		J. C. S.
172	p-(1,1-dimethylpropyl)phe nol 对叔戊基苯酚	80-46-6	Equivalent level of concern having probable serious effects to the environment (Article 57 f) 对环境有严重影响而引起同等水平的关注(Article 57 f)	0.020	N.D.	0.1
173	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts 全氟癸酸(PFDA)及其钠盐 和铵盐	3108-42-7 335-76-2 3830-45-3	Toxic for reproduction (Article 57 c); PBT (Article 57 d) 生殖毒性(Article 57 c) PBT(Article 57 d)	0.020	N.D.	0.1

The seventeenth one substances of SVHC (Released in Jun, 2017)

第十七批1种SVHC (2017年06月公布)

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
174	Perfluorohexane-1-sulp honic acid and its salt s (PFHxS) 全氟辛烷-1 -磺酸及其盐类(PFHxS)	355-46-4	强持久性、强生物累积性 (条款57e) vPvB (Article 57e)	0.020	N.D.	0.1



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The eighteenth seven substances of SVHC (Released in Jan, 2018)

第十八批 7 种 SVHC (2018 年 01 月公布)

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
175	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof) 得克隆(包括其所有反式和顺式异构体及其组合)	13560-89-9; 135821-74-8; 135821-03-3 etc.	vPvB (Article 57e) vPvB强持久性、强生物累 积性(条款57e)	0.020	N.D.	0.1
176	Benz[a]anthracene 苯并[a]蒽	56-55-3	Carcinogenic (Article 57a) 致癌毒性(条款57a) PBT (Article 57 d) PBT持久性,生物累积性 和毒性的物质(条款57d) vPvB (Article 57 e) vPvB强持久性、强生物累积性(条款57e)	0.020	N.D.	0.1
177	Cadmium nitrate** 硝酸镉**	10325-94-7	Carcinogenic (Article 57a) 致癌性(57a条款) Mutagenic (Article 57 b) 致突变性(57b条款) After repeated contact specific organs poisoning 经重复接触后,引起 特定器官中毒	0.020	N.D.	0.1
178	Cadmium carbonate** 碳酸镉**	513-78-0	Carcinogenic (Article 57a) 致癌性(57a条款) Mutagenic (Article 57 b) 致突变性(57b条款) After repeated contact specific organs poisoning 经重复接触后,引起 特定器官中毒	0.020	N.D.	0.1
179	Cadmium hydroxide** 氢氧化镉**	21041-95-2	Carcinogenic (Article 57a) 致癌性(57a条款) Mutagenic (Article 57 b)	0.020	N.D.	0.1



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, , , , ,	ex cress	25 (C	致突变性(57b条款) After repeated contact specific organs poisoning 经重复接触后,引起特定器官中毒		5	5
180	Chrysene 屈	218-01-9	Carcinogenic (Article 57a) 致癌毒性(条款57a) PBT (Article 57 d) PBT持久性,生物累积性 和毒性的物质(条款57d) vPvB (Article 57 e) vPvB强持久性、强生物累积性(条款57e)	0.020	N.D.	0.1
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear] 1,3,4-噻二唑烷-2,5-二硫酮,甲醛和 4-庚基苯酚的支链和直链(RP-HP)的反应产物[4-庚基苯酚,支		Endocrine Disrupting(Article 57 f- environment) 内分泌干扰性(Article 57 f - 环境)	0.020	N.D.	0.1



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The nineteen ten substances of SVHC (Released in Jun, 2018)

第十九批10种SVHC (2018年06月公布)

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
182	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride(TMA) 苯-1,2,4-三羧酸1,2-酐(偏苯三 酸酐)(TMA)	552-30-7	Respiratory sensitization(Article 57 f)- human health 呼吸道致敏性(第 57 条 f)- 人类健康	0.020	N.D.	0.1
183	Dicyclohexyl phthalate(DCHP) 邻苯二甲酸二环己酯 (DCHP)	84-61-7	Reproductive toxicity(Article 57 c) Endocrine disrupting properties(Article 57 f)-human health 生殖毒性(第 57 条 c)-内分泌干扰性(第 57 条 f)-人类健康	0.020	N.D.	0.1
184	Benzo[g,h,i]perylene 苯并[G,H,I]菲	191-24-2	PBT (Article 57 d) PBT持久性,生物累积性 和毒性的物质(条款57d) vPvB (Article 57 e) vPvB 强持久性、强生物 累积性(条款 57e)	0.020	N.D.	0.1
185	Octamethylcyclotetrasiloxane (D4) 八甲基环四硅氧烷(D4)	556-67-2	PBT (Article 57 d) PBT持久性,生物累积性 和毒性的物质(条款57d) vPvB (Article 57 e) vPvB 强持久性、强生物 累积性(条款 57e)	0.020	N.D.	0.1
186	Decamethylcyclopentasiloxa ne(D5) 十甲基环五硅氧烷(D5)	541-02-6	PBT (Article 57 d) PBT持久性,生物累积性 和毒性的物质(条款57d) vPvB (Article 57 e) vPvB 强持久性、强生物 累积性(条款 57e)	0.020	N.D.	0.1
187	Dodecamethylcyclohexasilox ane(D6)	540-97-6	PBT (Article 57 d) PBT持久性,生物累积性	0.020	N.D.	0.1



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No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
(\(\lambda \)	十二甲基环六硅氧烷(D6)	CP S	和毒性的物质(条款57d) vPvB (Article 57 e) vPvB 强持久性、强生物 累积性(条款 57e)	5	CF ST	
188	Ethylenediamine 乙二胺	107-15-3	Respiratory sensitization (Article 57 f- Human body health) 呼吸道致敏性(第 57 条 (f) -人体健康)	0.020	N.D.	0.1
189	Lead** 铅**	7439-92-1	Toxic for reproduction (Article 57 c) 生殖毒性(条款 57c)	0.020	N.D.	0.1
190	Disodium octaborate Tetrahydrate**八硼酸二钠**	12008-41-2	Toxic for reproduction (Article 57 c) 生殖毒性(条款 57c)	0.020	N.D.	0.1
191	Terphenyl, hydrogenated 氢化三联苯	61788-32-7	vPvB (Article 57 e) vPvB 强持久性、强生物 累积性(条款 57e)	0.020	N.D.	0.1



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The Twentieth six substances of SVHC (Released in Jan, 2019)

第二十批6种SVHC (2019年01月公布)

No. 序号	Test Item 测试项目	CAS No.	SVHC classification 分类	RL 报告限 %(w/w)	Results 结果 %(w/w)	Limit 限值 %(w/w)
192	2,2-bis(4'-hydroxyphenyl)-4 -methylpentane 4,4'-(1,3-二甲基丁基)二苯酚	6807-17-6	Toxic for reproduction (Article 57 c) 生殖毒性(条款 57c)	0.020	N.D.	0.1
193	Benzo[[k]fluoranthene(BkF) 苯并(k)荧蒽	207-08-9	Carcinogenic (Article 57a) 致癌毒性(条款 57a) PBT (Article 57 d) PBT 持久性,生物累积性 vPvB (Article 57 e) vPvB 强持久性、强生物累 积性(条款 57e)	0.020	N.D.	0.1
194	Fluoranthene(FLT) 荧蒽	206-44-0	PBT (Article 57 d) PBT 持久性, 生物累积性 vPvB (Article 57 e) vPvB 强持久性、强生物累 积性(条款 57e)	0.020	N.D.	0.1
195	Phenanthrene(PHE) 菲	85-01-8	vPvB (Article 57 e) vPvB 强持久性、强生物累 积性(条款 57e)	0.020	N.D.	0.1
196	Pyrene(PYR) 芘	129-00-0	PBT (Article 57 d) PBT 持久性, 生物累积性 vPvB (Article 57 e) vPvB 强持久性、强生物累 积性(条款 57e)	0.020	N.D.	0.1
197	1,7,7-trimethyl-3-(phenylme thylene)bicyclo[2.2.1]hepta n-2-one (3-benzylidene camphor) 1,7,7-三甲基-3-(苯亚甲基) 双环[2,2,1]庚-2-酮 (3-亚苄基樟脑)	15087-24-8	Endocrine Disrupting(Article 57 f- environment) 内分泌干扰属性 (第 57 (f) 条-环境危害)	0.020	N.D.	0.1



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Note:

备注:

- 1. mg/kg =milligram per kilogram = ppm=10⁻⁶ mg/kg =毫克每千克 = ppm=10⁻⁶
- 2. N.D. = Not Detected (<Report Limit) N.D. =未检出(<报告限)

测试过程,材料特性,SVHC 特性和化学分析等手段评估而得到。

- 3. RL = Report Limit RL =报告限
- 4. ** According to the 5.2.1 item of the second version of ECHA "Guidance on requirements for substances in articles", 2011, the selected test methods only show the existence of certain elements rather than the existence of substances, using additional measurements to screen for the existence and identification of substances in a sample when necessary.
 - **依据 ECHA "物品中的物质要求指南" -2011 年第二版第 5.2.1 条规定,所采用的测试方法只能得到样品中含有的元素而不是物质,当需要时则对样品中的物质的甄选和鉴别进行进一步测试。
- 5. Report Results: based on measurements in most cases will identify the chemical constituents in the sample but not necessarily "the substance" which were originally used to produce the article, professional consults, products information, testing processes, features of materials, characteristics of the SVHC and chemical analysis etc to obtain the assessments results according to the 5.2 item of the second version of ECHA "Guidance on requirements for substances in articles", 2011. 报告结果:依据 ECHA "物品中的物质要求指南" -2011 年第二版第 5.2 条:基于大多数情况下测试方法鉴别的是样品中的化学组成,而不一定是产品生产过程中原始添加的物质,以及专业咨询,产品资料信息,
- 6. Report Limit: Be obtained from the uncertainty, the 0.1 % threshold and the ECHA "Guidance on requirements for substances in articles".
 - 报告限:根据不确定度和 0.1%的报告门槛以及 ECHA "物品中的物质要求指南"规定而得到。
- Definition of classification is listed in Appendix A of this report in accordance with Directive 67/548/EEC Regulation(EC)No 1907/2006.
 - 附录 A 是根据欧盟 67/548/EEC 指令和第 1907/2006 (EC) 号法规, 关于物质分类的定义。
- 8. In accordance with Regulation (EC) No 1907/2006, any producer or importer of articles shall notify the European Chemicals Agency(ECHA), In accordance with Article 59(1) of the Regulation if the substance is present in those articles in quantities totaling over one tone per producer or importer per year;-the substance is present in those articles above a concentration of 0.1% weight by weight(w/w). 根据欧盟第 1907/2006 (EC) 号法规,如果物质根据第 59 条第一款被确定,且满足以下两个条件,物品的任何制造商或进口商应向欧盟化学品管理署进行通报:
 - -物质在物品中的总含量超过1吨/年/生产商或进口商。
 - -物质在物品中的总含量以质量分数计超过 0.1%的浓度。
- 9. Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, he name of that substance. 欧盟第 1907/2006 (EC) 号法规第 33 条规定,含有满足第 57 条中的标准并根据第 59 条第一款被确定且质量分数大于 0.1%的物质的物品的所有供应商应向物品接受者提供其可获取的充足信息,以使物品使用安全,这些信息至少包括物质的名称。



Test Report

测试报告

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Appendix A

附录 A

Classification 分类	Definition under Directive 67/548/EEC and Regulation(EC)1907/2006 67/548/EEC 指令和第 1907/2006/EC 法规中的定义
Carcinogen Category 1: 第一类致癌物	Substance known to carcinogenic to man. There is sufficient evidence to establish a causal association between human exposure to a substance and the development of cancer. 已经为人类熟知对人有致癌作用。有充分证据可以建立癌症的发展和人与该类物质接触之间的因果联系。
Carcinogen Category 2: 第二类致癌物	Substances which should be regarded as if they are carcinogenic to man. There is sufficient evidence to provide a strong presumption that human exposure to a substance may result in the development of cancer. Generally on the basis of: 物质如果对人有致癌作用,则被认为是该类物质。有足够的证据可以充分假定人与该类物质直接接触可以致癌。
	 Appropriate long-term animal studies; 适当长期的动物实验 Other relevant information. 其它相关信息。
Mutagen Category 1: 第一类诱导有机体突变 的物质	Substance known to mutagenic to man. There is sufficient evidence to establish a causal association between human exposure to a substance and heritable genetic damage. 已经为人类熟知可以致基因突变的物质。有充分证据可以建立长期基因损害和人与该类物质接触之间的因果联系。
Mutagen Category 2: 第二类诱导有机体突变 的物质	Substances which should be regarded as if they are mutagenic to man. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in the development of heritable genetic damage, generally on the basis of: 物质如果对人有致基因突变作用,则被认为是该类物质。有足够的证据可以充分假定人与该类物质直接接触可以致基因损害。 - Appropriate long-term animal studies; - 适当长期的动物实验 - Other relevant information 其它相关信息。
Toxic to Reproduction Category1: 第一类生殖毒性物质	Substance known to impair fertility in humans. There is sufficient evidence to establish a causal relationship between human exposure to the substance and impaired fertility. 已经为人类所熟知可以降低人的生殖能力。有充分证据可以建立人生殖能力降低和人与该类物质接触之间的因果联系。 Substances known to cause development toxicity in humans. There is Exposure to the substance and subsequent developmental toxic effects in the progeny. 已经为人类熟知对人体有毒。有充分证据可以建立人体暴露于物质与不断发展的毒副作用之间的联系。
PBT & vPvB: 持续性,生物累积性及 毒性物质;非常持久,	Substances which are persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) pose a particular challenge to the chemicals safety management. For these substances a "safe" concentration in the environment cannot





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高度生度累积性物质	be established with sufficient reliability. 持久性,生物累积性及毒性和非常持久,高度生物累积性物质将会给化学品安全管理带 来很大的挑战。对这些物质来说,没法建立充分可靠的对环境安全的浓度。
Toxic to Reproduction Category2: 第二类生殖毒性物质	Substances which should be regarded as if they impair fertility in humans. sufficient evidence to provide a strong presumption that human exposure to the substance may result in impaired fertility on the basis of: 物质如果有减弱人的生殖能力的作用,则被认为是该类物质。有足够的证据可以充分假定人与该类物质直接接触可以减弱人的生殖能力,基于: - Clear evidence in animal studies of impaired fertility in the absence of toxic effects, or, evidence of impaired fertility occurring at around the same does levels as other toxic effects but which is not a secondary nonspecific consequence of the other toxic effects; - 动物实验研究明确的证明在没有毒性时可以降低生殖能力,或者在相同给药水平时,与其它毒性同时表现出,但是不是其它毒性的二级非特定结果; - Other relevant information 其它相关信息
	Substances which should be regarded as if they cause developmental toxicity to humans. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in developmental toxicity, generally on the basis of: 如果物质对人类有长期的毒性,则被认为是该类物质。有足够的证据可以充分假定人暴露与该类物质会引起长期毒性。一般基于: - Clear results in appropriate animal studies where effects have been observed in the absence of signs of marked maternal toxicity, or at around the same dose levels as other toxic effects but which are not a secondary non-specific consequence of the other toxic effects; - 适当的动物实验研究表明具有生殖毒性,或者在相同给药水平时,不是其它毒性的二级非具体毒性结果 - Other relevant information. - 其它相关信息

*** End of Report ***

*** 报告结束 ***