

REACH SVHC 测试报告

REACH SVHC Test Report

报告编号 : AGC00925211201-003
Report No.

样品名称 : 智能卷帘伴侣 E1 Roller Shade Driver E1
SAMPLE NAME

样品型号 : RSD-M01
MODEL NAME

委托单位 : 深圳绿米联创科技有限公司
APPLICANT : Lumi United Technology Co., Ltd

检测标准 : 请参见后续页(Please refer to the following page(s)).
STANDARD(S)

签发日期 : 2022/03/01
DATE OF ISSUE

深圳市鑫宇环标准技术有限公司

Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd.




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委托单位(Applicant) : 深圳绿米联创科技有限公司 Lumi United Technology Co., Ltd
单位地址(Address) : 深圳市南山区桃源街道留仙大道塘岭路 1 号金骐智谷大厦 8 楼
8th Floor, JinQi Wisdom Valley, No.1 Tangling Road, Liuxian
Ave, Taoyuan Residential District, Nanshan District, Shenzhen
China
测试地址(Test Site) : 深圳市宝安区航城街道三围社区三围茶西工业区 2 栋 6 层
6/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

样品信息(Report on the submitted sample(s) said to be):

样品名称(Sample Name) : 智能卷帘伴侣 E1 Roller Shade Driver E1
型号(Model) : RSD-M01
商标(Brand): : Aqara
制造商(Manufacturer) : 深圳绿米联创科技有限公司 Lumi United Technology Co., Ltd
地址(Address) : 深圳市南山区桃源街道留仙大道塘岭路 1 号金骐智谷大厦 8 楼
8th Floor, JinQi Wisdom Valley, No.1 Tangling Road, Liuxian
Ave, Taoyuan Residential District, Nanshan District, Shenzhen
China
收样日期(Sample Received Date) : 2021/12/17
测试周期(Testing Period) : 2021/12/17-2021/12/30

Approved by: 

签发: 梁丹(Jessie.Liang)

技术总监(Technical Director)



测试要求

Test Requested:

1. 根据客户要求, 参照法规(EC) No 1907/2006 (REACH), 对送检样品筛选 219 项高关注物质(SVHC), 物质清单为欧盟化学品管理局 (ECHA) 于 2021 年 7 月 8 日公布的清单。As specified by client, refer to EU Regulation (EC) No 1907/2006 (REACH), to screen two hundred and nineteen (219) Substances of Very High Concern (SVHC) in the submitted sample. The list is the one that is published by European Chemicals Administration (ECHA) on July 08, 2021.
2. 根据客户要求, 参照法规(EC) No 1907/2006 (REACH), 对送检样品筛选 5 项公众评议高关注物质(SVHC)。As specified by client, refer to EU Regulation (EC) No 1907/2006 (REACH), to screen Five (5) Public Consultations Substances of Very High Concern (SVHC) in the submitted sample.

结论

Conclusion

见总结

See Summary

总结 Summary:

测试样品中 SVHC 物质的浓度 \leq 0.1%。

The concentrations of tested SVHC are \leq 0.1%(W/W) in the tested sample.

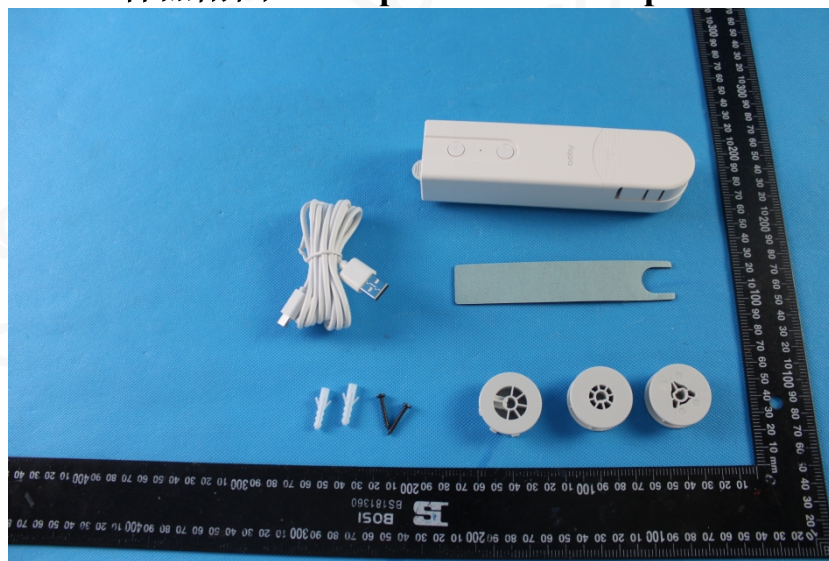
合格

Pass

样品信息:

Sample Description:

样品附图 (The photo of the sample)



AGC00925211201-003

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样品名称 Sample Name	序号 Part No.	测试点描述 Test Point Description
智能卷帘伴侣 E1 Roller Shade Driver E1	1-1	金属混 Metal mix
	1-2	非金属混 Non-metal mix

测试结果:(Test Result)

序号 Part No.	物质名称 Substances Name	CAS No.	测试结果 Test Result (%)		报告限 RL(%)
			测试数据 Test Data	整机评估 The Whole Sample	
1-1	铅 Lead	7439-92-1	0.155	0.042	0.01
1-2			N.D.		0.01
1-1	其余候选清单中 SVHC Other test SVHC in candidate list	----	N.D.	N.D.	0.01
1-2			N.D.		0.01
1-1	5 项公众评议高关注物质 Five (5) Public Consultations Substances	----	N.D.	N.D.	0.01
1-2			N.D.		0.01

备注(Remarks):

1. 若 SVHC 浓度超过 0.1%，建议客户确认含有该 SVHC 的零件，并进一步定量分析获取 SVHC 的确切浓度。

If a SVHC found over 0.1%, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

2. 报告限是指结果低于此数值将示为不能检出。

The report limit = Results below this value will be stated as N.D.

3. N.D.=未检出（小于报告限），N.D.=Not Detected（<report limit）

4. 根据客户要求，对样品进行混合测试。

As specified by client, the submitted samples were mixed to test.

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测试方法(Test Method): 参考实验室内部方法 Refer to in-house method

仪器(Equipment): GC-MS/ ICP-OES/ HPLC/ IC/ UV-Vis/ GC-FID/ LC-MS-MS

物质信息(Substance information):

序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.
第一批 First batch			
1	蒽 Anthracene	120-12-7	204-371-1
2	4,4'-二氨基二苯甲烷 4,4'-Diaminodiphenylmethane	101-77-9	202-974-4
3	邻苯二甲酸二丁酯 Dibutyl phthalate (DBP)	84-74-2	201-557-4
4	邻苯二甲酸二(2-乙基己基)酯 Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	204-211-0
5	邻苯二甲酸丁苄酯 Benzyl butyl phthalate (BBP)	85-68-7	201-622-7
6	三丁基氧化锡 Bis(tributyltin)oxide (TBTO)	56-35-9	200-268-0
7	5-叔丁基-2,4,6-三硝基间二甲苯 (二甲苯麝香) 5-tert-butyl-2,4,6-trinitro-m-xylene	81-15-2	201-329-4
8	六溴环十二烷以及所有主要的非对映异构体 Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:(α -HBCDD, β -HBCDD, γ -HBCDD)	25637-99-4 3194-55-6 (134237-51-7 134237-50-6 134237-52-8)	247-148-4 221-695-9
9	短链氯化石蜡 Alkanes, C10-13 chloro (short chain chlorinated paraffins, SCCP)	85535-84-8	287-476-5
10	砷酸氢铅*Lead hydrogen arsenate*	7784-40-9	232-064-2
11	三乙基砷酸酯*Triethyl arsenate*	15606-95-8	427-700-2
12	五氧化二砷*Diarsenic pentaoxide *	1303-28-2	215-116-9
13	三氧化二砷*Diarsenic trioxide*	1327-53-3	215-481-4
14	二氯化钴*Cobalt dichloride*	7646-79-9	231-589-4
15	重铬酸钠*Sodium dichromate*	7789-12-0 10588-01-9	234-190-3
第二批 Second batch			
16	①蒽油①Anthracene oil	90640-80-5	292-602-7
17	①蒽油, 蒽糊, 轻油**** ①Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5
18	①蒽油, 蒽糊, 蒽馏分 ①Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9
19	①蒽油, 含蒽量少①Anthracene oil, anthracene-low	90640-82-7	292-604-8

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序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.
20	①蒽油, 蒽糊①Anthracene oil, anthracene paste	90640-81-6	292-603-2
21	邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP)	84-69-5	201-553-2
22	2,4-二硝基甲苯 2,4-Dinitrotoluene (2,4-DNT)	121-14-2	204-450-0
23	②铬酸铅②Lead chromate	7758-97-6	231-846-0
24	②钼铬红 (C.I.颜料红 104) *** ②Lead chromate molybdate sulphate red (C.I. Pigment Red 104) ***	12656-85-8	235-759-9
25	②铅铬黄 (C.I.颜料黄 34) *** ②Lead sulfochromate yellow(C.I. Pigment Yellow 34)	1344-37-2	215-693-7
26	①煤焦油沥青, 高温①Pitch, coal tar, high temp.	65996-93-2	266-028-2
27	磷酸三(2-氯乙基)酯 Tris(2-chloroethyl)phosphate(TCEP)	115-96-8	204-118-5
28	丙烯酰胺 Acrylamide	79-06-1	201-173-7
第三批 Third batch			
29	三氯乙烯 Trichloroethylene	79-01-6	201-167-4
30	硼酸*Boric acid*	10043-35-3 11113-50-1	233-139-2 234-343-4
31	无水四硼酸钠*Disodium tetraborate, anhydrous*	1330-43-4 12179-04-3 1303-96-4	215-540-4
32	七水合四硼酸钠*Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3
33	铬酸钠*Sodium chromate*	7775-11-3	231-889-5
34	铬酸钾*Potassium chromate*	7789-00-6	232-140-5
35	重铬酸铵*Ammonium dichromate*	7789-09-5	232-143-1
36	重铬酸钾*Potassium dichromate*	7778-50-9	231-906-6
第四批 Fourth batch			
37	三氧化铬*Chromium trioxide*	1333-82-0	215-607-8
38	乙二醇单甲醚 2-Methoxyethanol	109-86-4	203-713-7
39	乙二醇单乙醚 2-Ethoxyethanol	110-80-5	203-804-1
40	醋酸钴*Cobalt(II) diacetate*	71-48-7	200-755-8
41	碳酸钴*Cobalt(II) carbonate*	513-79-1	208-169-4
42	硝酸钴*Cobalt(II) dinitrate*	10141-05-6	233-402-1
43	硫酸钴*Cobalt(II) sulphate*	10124-43-3	233-334-2

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序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.
44	三氧化铬及其低聚物产生的酸 Acids generated from chromium trioxide and their oligomers Group containing: 铬酸* Chromic acid*, 重铬酸*Dichromic acid*, 铬酸及重铬酸的低聚物* Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	231-801-5 236-881-5
第五批 Fifth batch			
45	乙二醇乙醚乙酸酯 2-ethoxyethyl acetate	111-15-9	203-839-2
46	铬酸锶*Strontium chromate *	7789-06-2	232-142-6
47	①邻苯二甲酸二(C7-11 支链与直链)烷基酯 ①1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	271-084-6
48	肼 Hydrazine	7803-57-8 302-01-2	206-114-9
49	1-甲基-2-吡咯烷酮 1-methyl-2-pyrrolidone	872-50-4	212-828-1
50	1,2,3-三氯丙烷 1,2,3-trichloropropane	96-18-4	202-486-1
51	①邻苯二甲酸二(C6-8 支链与直链)烷基酯, 富 C7 链 ①1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	276-158-1
第六批 Sixth batch			
52	铬酸铬*Dichromium tris(chromate) *	24613-89-6	246-356-2
53	氢氧化铬酸锌钾* Potassium hydroxyoctaoxodizincate di-chromate*	11103-86-9	234-329-8
54	锌黄(C.I.颜料黄 36)**Pentazinc chromate octahydroxide ***	49663-84-5	256-418-0
55	甲醛苯胺共聚物 Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1
56	邻苯二甲酸二甲氧乙酯 Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	204-212-6
57	邻氨基苯甲醚 2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1
58	对特辛基苯酚 4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	205-426-2
59	1,2-二氯乙烷 1,2-Dichloroethane	107-06-2	203-458-1
60	二乙二醇二甲醚 Bis(2-methoxyethyl) ether	111-96-6	203-924-4
61	砷酸*Arsenic acid*	7778-39-4	231-901-9
62	砷酸钙*Calcium arsenate*	7778-44-1	231-904-5

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63	砷酸铅*Trileaddiarsenate*	3687-31-8	222-979-5
64	N,N-二甲基乙酰胺 N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4
65	酚酞 Phenolphthalein	77-09-8	201-004-7
66	4,4'-亚甲基双-2-氯苯胺 2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9
67	叠氮化铅*Lead azide; Lead diazide*	13424-46-9	236-542-1
68	2,4,6-三硝基苯二酚铅*Lead styphnate*	15245-44-0	239-290-0
69	苦味酸铅*Lead dipicrate*	6477-64-1	229-335-2
70	②硅酸铝耐火陶瓷纤维** ②Aluminosilicate Refractory Ceramic Fibres (RCF)**	-	-
71	②氧化锆硅酸铝耐火陶瓷纤维** ②Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)**	-	-
第七批 Seventh batch			
72	三甘醇二甲醚 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3
73	1,2-二甲氧基乙烷 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9
74	三氧化二硼*Diboron trioxide*	1303-86-2	215-125-8
75	甲基磺酸铅(II)*Lead(II)bis(methanesulfonate)*	17570-76-2	401-750-5
76	甲酰胺 Formamide	75-12-7	200-842-0
77	异氰尿酸三缩水甘油酯 1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (TGIC)	2451-62-9	219-514-3
78	替罗昔隆 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	423-400-0
79	4,4'-四甲基二氨二苯酮 4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5
80	4,4'-亚甲基双(N,N-二甲基苯胺) N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2
81	结晶紫 [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	548-62-9	208-953-6
82	碱性蓝 26 [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	2580-56-5	219-943-6
83	溶剂蓝 4 α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	6786-83-0	229-851-8

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序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.
84	α,α -二[(二甲氨基)苯基]-4-氨基苯甲醇 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	561-41-1	209-218-2
第八批 Eighth batch			
85	十溴联苯醚 Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9
86	全氟十三酸 Pentacosaflluorotridecanoic acid	72629-94-8	276-745-2
87	全氟十二酸 Tricosafluorododecanoic acid	307-55-1	206-203-2
88	全氟十一烷酸 Henicosafluoroundecanoic acid	2058-94-8	218-165-4
89	全氟十四酸 Heptacosaflluorotetradecanoic acid	376-06-7	206-803-4
90	①对特辛基苯酚乙氧基醚 ①4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-
91	①4-壬基苯酚, 支链和直链 ①4-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]	-	-
92	偶氮二甲酰胺 Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8
93	甲基六氢邻苯二甲酸酐 Hexahydromethylphthalic anhydride 4-甲基六氢邻苯二甲酸酐 Hexahydro-4-methylphthalic anhydride 1-甲基六氢邻苯二甲酸酐 Hexahydro-1-methylphthalic anhydride 3-甲基六氢邻苯二甲酸酐 Hexahydro-3-methylphthalic anhydride	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1
94	六氢邻苯二甲酸酐 Cyclohexane-1,2-dicarboxylic anhydride	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9
95	甲氧基乙酸 Methoxy acetic acid	625-45-6	210-894-6
96	支链和直链 1, 2-苯二羧二戊酯 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2
97	邻苯二甲酸二异戊酯 Diisopentylphthalate (DIPP)	605-50-5	210-088-4
98	邻苯二甲酸正戊基异戊基酯 N-pentyl-isopentylphthalate	776297-69-9	-
99	乙二醇二乙醚 1,2-diethoxyethane	629-14-1	211-076-1
100	N,N-二甲基甲酰胺 N,N-dimethylformamide	68-12-2	200-679-5

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序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.
101	二丁基二氧化锡 Dibutyltin dichloride (DBTC)	683-18-1	211-670-0
102	碱式乙酸铅*Acetic acid, lead salt, basic*	51404-69-4	257-175-3
103	碱式碳酸铅*Trilead bis(carbonate) dihydroxide*	1319-46-6	215-290-6
104	碱式硫酸铅*Lead oxide sulfate*	12036-76-9	234-853-7
105	[1,2-苯二羧酸根合]二氧化三铅* [Phthalato(2-)]dioxotrilead *	69011-06-9	273-688-5
106	双(十八烷基)二氧代三铅*Dioxobis(stearato)trilead *	12578-12-0	235-702-8
107	C16-18-脂肪酸铅盐*Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7
108	四氟硼酸铅*Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0
109	氨基氰铅盐*Lead cyanamidate*	20837-86-9	244-073-9
110	硝酸铅*Lead dinitrate*	10099-74-8	233-245-9
111	氧化铅*Lead oxide (lead monoxide)*	1317-36-8	215-267-0
112	四氧化三铅, 铅丹*Lead tetroxide (orange lead)*	1314-41-6	215-235-6
113	钛酸铅*Lead titanium trioxide*	12060-00-3	235-038-9
114	钛酸铅锆*Lead Titanium Zirconium Oxide*	12626-81-2	235-727-4
115	②氧化铅与硫酸铅的复合物*②Pentaleadtetraoxide sulphate*	12065-90-6	235-067-7
116	②C.I.颜料黄*②Pyrochlore, antimony lead yellow *	8012-00-8	232-382-1
117	②铅掺杂的硅钡酸盐*②Silicic acid, barium salt, lead-doped*	68784-75-8	272-271-5
118	硅酸铅*Silicic acid, lead salt*	11120-22-2	234-363-3
119	亚硫酸铅 (II) *Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1
120	四乙基铅*Tetraethyllead*	78-00-2	201-075-4
121	三碱式硫酸铅*Tetralead trioxide sulphate*	12202-17-4	235-380-9
122	磷酸氧化铅*Trilead dioxide phosphonate*	12141-20-7	235-252-2
123	呋喃 Furan	110-00-9	203-727-3
124	环氧丙烷 Methyloxirane (Propylene oxide)	75-56-9	200-879-2
125	硫酸二乙酯 Diethyl sulphate	64-67-5	200-589-6
126	硫酸二甲酯 Dimethyl sulphate	77-78-1	201-058-1
127	乙基-2-甲基-2-(3-甲基丁基)-1,3-恶唑烷 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7
128	地乐酚 (二硝丁酚) Dinoseb	88-85-7	201-861-7
129	4,4'-二氨基-3,3'-二甲基二苯甲烷 4,4'-methylenedi-o-toluidine	838-88-0	212-658-8
130	4,4'-二氨基二苯醚 4,4'-oxydianiline and its salts	101-80-4	202-977-0

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序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.
131	4-氨基偶氮苯 4-aminoazobenzene	60-09-3	200-453-6
132	2,4-二氨基甲苯 4-methyl- <i>m</i> -phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1
133	2-甲氧基-5-甲基苯胺 6-methoxy- <i>m</i> -toluidine (p-cresidine)	120-71-8	204-419-1
134	4-氨基联苯 Biphenyl-4-ylamine	92-67-1	202-177-1
135	邻氨基偶氮甲苯 <i>o</i> -aminoazotoluene [(4- <i>o</i> -tolylazo- <i>o</i> -toluidine)]	97-56-3	202-591-2
136	邻甲基苯胺 <i>o</i> -toluidine	95-53-4	202-429-0
137	N-甲基乙酰胺 N-methylacetamide	79-16-3	201-182-6
138	溴代正丙烷 1-bromopropane (n-propyl bromide)	106-94-5	203-445-0
第九批 Ninth batch			
139	①4-壬基酚, 支链和直链, 乙氧基[由一含 9 个碳的直链和/或支链烷基链, 在碳 4 的位置共价有苯酚、乙氧基覆盖的非线性结构和明确的物质, 包括任何单一的同分异构体和/或其合] ①4-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]	-	-
140	镉 Cadmium	7440-43-9	231-152-8
141	氧化镉*Cadmium oxide*	1306-19-0	215-146-2
142	全氟辛酸铵盐 Ammoniumpentadecafluorooctanoate (APFO)	3825-26-1	223-320-4
143	全氟辛酸 Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9
144	邻苯二甲酸二正戊酯 Dipentyl phthalate (DPP)	131-18-0	205-017-9
第十批 Tenth batch			
145	硫化镉*Cadmium sulphide *	1306-23-6	215-147-8
146	邻苯二甲酸二己酯 Dihexyl phthalate(DnHP)	84-75-3	201-559-5
147	②C.I.直接红 28②Disodium3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)] bis (4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	209-358-4
148	②C.I.直接黑 38②Disodium 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)	1937-37-7	217-710-3
149	亚乙基硫脲 Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	202-506-9

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序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.
150	磷酸三(二甲苯)酯 Trixylyl phosphate	25155-23-1	246-677-8
151	醋酸铅*Lead di(acetate) *	301-04-2	206-104-4
第十一批 Eleventh batch			
152	邻苯二甲酸二(支链与直链)己酯 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5
153	氯化镉*Cadmium chloride*	10108-64-2	233-296-7
154	过硼酸钠, 水合物; 过硼酸钠盐* Sodium perborate; perboric acid, sodium salt*	-	239-172-9 234-390-0
155	过硼酸钠, 无水*Sodium peroxometaborate*	7632-04-4	231-556-4
第十二批 Twelfth batch			
156	UV328 (紫外线吸收剂 UV-328) 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8
157	UV320(紫外线吸收剂 UV-320) 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6
158	二正辛基-双(巯乙酸 2-乙基己酯)锡 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4
159	DOTE 和 MOTE 反应产物 Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	-
160	氟化镉*Cadmium fluoride*	7790-79-6	232-222-0
161	硫酸镉*Cadmium sulphate*	10124-36-4 31119-53-6	233-331-6
第十三批 Thirteenth batch			
162	1,2-苯二羧酸二-碳 6-10-烷基酯; (癸基、己基、辛基)酯与 1,2-苯二甲酸的复合物≥ 0.3% 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)	68515-51-5 68648-93-1	271-094-0 272-013-1
163	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) 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]	-	-
第十四批 Fourteenth batch			
164	1,3-丙烷磺内酯 1,3-propanesultone	1120-71-4	214-317-9

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序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.
165	2,4-二-叔丁基-6-(5-氯-2H-苯并三唑-2-基)苯酚(UV-327) 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8
166	2-(2'-羟基-3'-异丁基-5'-叔丁基苯基)苯并三唑(UV-350) 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1
167	硝基苯 Nitrobenzene	98-95-3	202-716-0
168	全氟壬酸及盐(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-十七氟壬酸和其钠和铵盐) Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-heptafluorononanoic acid and its sodium and ammonium salts)	375-95-1, 21049-39-8 4149-60-4	206-801-3
第十五批 Fifteenth batch			
169	苯并(a)芘 Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	200-028-5
第十六批 Sixteenth batch			
170	双酚 A (BPA) 4,4'-isopropylidenediphenol(bisphenol A)	80-05-7	201-245-8
171	对叔戊基苯酚 (PTAP) 4-tert-pentylphenol (PTAP)	80-46-6	201-280-9
172	4-庚基苯酚, 支链和直链 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]	-	-
173	全氟癸酸 (PFDA) 及其钠盐和铵盐 Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	- 206-400-3 221-470-5
第十七批 Seventeenth batch			
174	全氟己基磺酸及其盐类 (PFHxS) Perfluorohexane-1-sulphonic acid and its salts	355-46-4	206-587-1
第十八批 Eighteenth batch			
175	德克隆[包括所有反式和顺式异构体及其组合] 1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	-
176	苯并[a]蒽 Benz[a]anthracene	56-55-3	200-280-6
177	硝酸镉*Cadmium nitrate*	10325-94-7	233-710-6
178	碳酸镉*Cadmium carbonate*	513-78-0	208-168-9
179	氢氧化镉*Cadmium hydroxide*	21041-95-2	244-168-5
180	屈 Chrysene	218-01-9	205-923-4

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序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.
181	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, 支链和直链含量 $\geq 0.1\% w/w$] Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with $\geq 0.1\% w/w$ 4-heptylphenol, branched and linear]	-	-
第 182 项 SVHC 物质 (2018 年 4 月 19 日由(EU) 2018/594 加入清单) Item 182 SVHC Substance (Added by (EU) 2018/594 on April 19, 2018)			
182	苯-1,2,4-三羧酸-1,2-酐 (偏苯三酸酐) (TMA) Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	209-008-0
第 183 项 SVHC 物质 (2018 年 4 月 25 日由(EU) 2018/636 加入清单) Item 183 SVHC Substance (Added by (EU) 2018/636 on April 25, 2018)			
183	邻苯二甲酸二环己酯(DCHP)Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9
第十九批 Nineteenth batch			
184	苯并(g,h,i)芘 Benzo[ghi]perylene	191-24-2	205-883-8
185	十甲基环五硅氧烷 (D5)Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9
186	八硼酸二钠 Disodiumoctaborate*	12008-41-2	234-541-0
187	十二甲基环六硅氧烷 (D6) Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8
188	乙二胺 (EDA) Ethylenediamine	107-15-3	203-468-6
189	铅 Lead	7439-92-1	231-100-4
190	八甲基环四硅氧烷 (D4) Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7
191	氢化三联苯 Terphenyl hydrogenated	61788-32-7	262-967-7
第 192 项 SVHC 物质 (2018 年 12 月 18 日由(EU) 2018/2013 加入清单) Item 192 SVHC Substance (Added by (EU) 2018/2013 on December 18, 2018)			
192	1,7,7-三甲基-3-(苯基亚甲基)双环[2.2.1]庚-2-酮 (3-亚苄基樟脑)1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	239-139-9
第二十批 Twentieth batch			
193	4,4'-(1,3-二甲基丁基)二苯酚 2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1
194	苯并[k]荧蒹 Benzo[k]fluoranthene	207-08-9	205-916-6
195	荧蒹 Fluoranthene	206-44-0	205-912-4
196	菲 Phenanthrene	85-01-8	201-581-5
197	芘 Pyrene	129-00-0	204-927-3
第二十一批 Twenty-first batch			

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序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.
198	2,3,3,3-四氟-2-(七氟丙氧基)丙酸及其盐和酰卤化物(包括它们各自的异构体及其组合) 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) HFPO-DA	-	-
199	2-甲氧基乙酸乙酯 2-methoxyethyl acetate	110-49-6	203-772-9
200	三(壬基苯基, 支链和直链)亚磷酸酯(TNPP), 含有 ≥0.1% w/w 的4-壬基酚, 支链和直链(4-NP) Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-
201	4-叔丁基苯酚(PTBP) p-tert-Butylphenol, 4-t-Butylphenol	98-54-4	202-679-0
第二十二批 Twenty-second batch			
202	邻苯二甲酸二异己酯 Diisohexyl phthalate	71850-09-4	276-090-2
203	2-苄基-2-二甲氨基-1-(4-吗啉苯基)丁酮 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3
204	2-甲基-1-(4-甲硫基苯基)-2-吗啉基-1-丙酮 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6
205	全氟丁基磺酸(PFBS)及其盐类 Perfluorobutane sulfonic acid (PFBS) and its salts	-	-
第二十三批 Twenty-third batch			
206	1-乙烯基咪唑 1-vinylimidazole	1072-63-5	214-012-0
207	2-甲基咪唑 2-methylimidazole	693-98-1	211-765-7
208	4-羟基苯甲酸丁酯 Butyl 4-hydroxybenzoate	94-26-8	202-318-7
209	二正丁基双(乙酰丙酮基)锡 Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	245-152-0
第二十四批 Twenty-fourth batch			
210	双(2-(2-甲氧基乙氧基)乙基)醚(四乙二醇二甲醚) bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	205-594-7
211	二月桂酸二辛基锡, 锡烷, 二辛基-, 双(椰油酰氧基)衍生物, 以及任何其他锡烷, 二辛基-, 双(脂肪酰氧基)衍生物。其中 C12 为脂肪酰氧基部分的主要碳原子数 Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	-	-
第二十五批 Twenty-fifth batch			
212	1,4-二噁烷 1,4-dioxane	123-91-1	204-661-8

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序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.
213	2,2-二(溴甲基)-1,3-丙二醇(BMP); 三溴新戊醇(TBNPA); 2,3-二溴丙醇(2,3-DBPA) 2,2-bis(bromomethyl)propane 1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) ; 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0 36483-57-5 1522-92-5 96-13-9	221-967-7 253-057-0 202-480-9
214	2-(4-叔丁基苄基)丙醛及其立体异构体 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	-
215	双酚 B 4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	201-025-1
216	戊二醛 Glutaral	111-30-8	203-856-5
217	中链氯化石蜡 (MCCP) (UVCB 物质, 由≥80%的直链氯代烷烃组成, 碳链长度在 C14 至 C17 范围) Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	-
218	硼酸钠 Orthoboric acid, sodium salt	13840-56-7	237-560-2
219	烷基酚, 碳链 (C12 为主, 直链或支链) 主要在对位, 包括其任何位置单个异构体或其组合 (PDDP) Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-
评议物质 Consultations Substances			
1	间苯二酚 Resorcinol	108-46-3	203-585-2
2	(±)-1,7,7-三甲基-3-[(4-甲基苯基)亚甲基]二环[2.2.1]庚-2-酮, 包括各个异构体和/或其组合(4-MBC) (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	-
3	2,2'-亚甲基双-(4-甲基-6-叔丁基苯)(DBMC) 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	204-327-1

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序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	EC 号 EC No.
4	S-(三环[5.2.1.0'2,6]癸-3-烯-8(或 9)-基) O-(异丙基或异丁基或 2-乙基己基) O-(异丙基或异丁基或 2-乙基己基)二硫代磷酸酯 S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	401-850-9
5	乙烯基-三(2-甲氧基乙氧基)硅烷 tris(2-methoxyethoxy)vinylsilane	1067-53-4	213-934-0

注释(Note):

-*: 无机 SVHC 的化合物通过测试钴、氯、钠、砷、铬、钾、铅、硼、锆、钛、磷、钙、锌、锶、钼、铝、镉元素的结果换算而来，并用适当溶剂萃取进行确认，同时建议客户检查化学配方表，进一步确认是否含有上述物质。

Inorganic SVHC compounds are obtained by converting the test results of cobalt, chloride, sodium, arsenic, chromium, potassium, lead, boron, zirconium, titanium, phosphorus, calcium, zinc, strontium, molybdenum, aluminum and cadmium elements, and confirmed through the appropriate solvent extraction. At the same time, customers are suggested to check the chemical formula table, to further confirm whether above materials are contained.

-**: 在化学物质及其混合物的分类，标记与包装法规，即 CLP 法规（法规（EC）No 1272/2008）的附录 VI 中，索引号 650-017-00-8 适用于所有的耐火陶瓷纤维材料。

All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation (Regulation(EC) No 1272/2008).

-***: C.I.: 颜料索引号, C.I.: Colour Index

-****: 蒸馏所分离出来的轻油部分, Light fractions from distillation

-①: 由于这些物质是 UVCB 物质（未知成分或可变成成分的，复杂反应物或生物材料的物质），由各种不同的成分组成，所有这些物质的测试结果是由选定的具有代表性的物质的主要组成成分的测试结果换算而来的。

In view of the substances are established as UVCB substances(substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances.

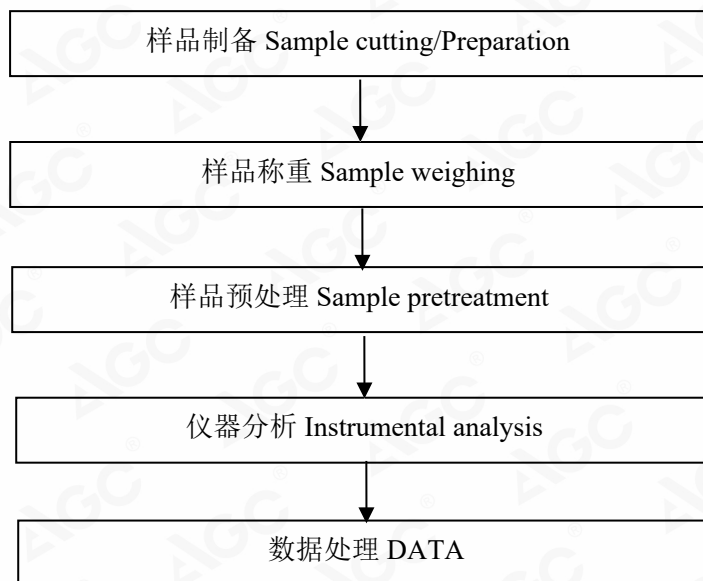
-②: 由于此物质含有多种物质，测试结果是基于此物质中最具有代表性的主要组成化合物的含量，其主要组成化合物的测试结果是基于特定的元素的浓度换算而来。

In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of the representative compounds are calculated based on the result of specified heavy metal elements.



测试流程图(Test Flow Chart)

REACH 测试流程图(For REACH)



报告结束

*** End of Report***

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