



检测报告

TEST REPORT

报告编号/ Report No..... : WTH23F04092201C
委托方/ Applicant : 肇庆市立得电子有限公司
LEDTECH ELECTRONICS CORPORATION
地址/ Address : 广东省肇庆市端州区玆西路西、桂园路北(22区)
West Jixi Road, North Guiyuan Road, Duanzhou District,
Zhaoqing City, Guangdong Province (District 22)
样品名称/ Sample Name : LED DISPLAY
检测要求/ Test Requested : 参见报告下页/ Refer to next page (s)
检测结论/ Test Conclusion : 参见报告下页/ Refer to next page (s)
样品接收日期/ Date of Receipt sample : 2023-04-27
检测周期/ Testing period : 2023-04-27 ~ 2023-05-12
报告日期/ Date of Issue : 2023-05-18
检测结果/ Test Result : 参见报告下页/ Refer to next page (s)

报告制作/ Prepared By:

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Signed for and on behalf of

Waltek Testing Group (Foshan) Co., Ltd.

梁志聪/ Swing.Liang



汇总 / Summary

序号 Item No.	检测要求 Test Requested	检测结论 Test Conclusion
1	<p>根据EC Regulation 1907/2006 (REACH法案)要求, 测试评估被列入高关注度物质候选清单的SVHC含量(截至2023年01月17日):</p> <p>According to European Commission Regulation 1907/2006 (REACH Act), to test and evaluate the SVHC content which have been listed in ECHA's website (latest updated on Jan 17, 2023):</p> <p>https://echa.europa.eu/candidate-list-table</p>	符合 [△] Pass [△]
2	<p>依据申请方要求, 测试评估样品中3种公众评议物质的含量</p> <p>According to the applicant's requirement, to determine and evaluate the 3 substances content which have been published in a public consultation launched by ECHA to identify an additional chemicals as Substances of Very High Concern (SVHCs) on 1 June 2021 and 17 Feb 2023.</p>	符合 [△] Pass [△]

备注/Remark:

符合[△]的意思是/Pass[△] means

根据规定的测试范围及现有分析技术, 233项SVHC物质, 73项*SVHC物质和3种公众评议物质的浓度<0.1%

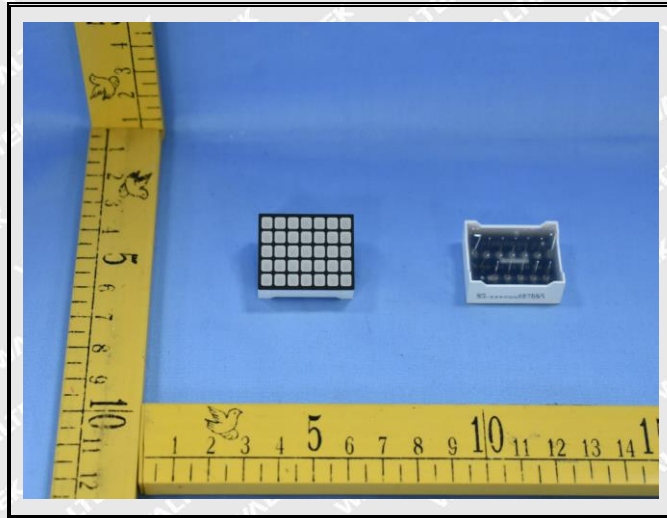
According to the specified scope and analytical technique, the concentrations of the 233 Substances of SVHC, 73 Substances of *SVHC and 3 kinds of public comment substances are less than 0.1% in the submitted samples

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样品图片 / Sample Photo:



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Reach233项高关注度物质和3种公众评议物质
REACH 233 Substances of SVHC and 3 kinds of public comment substances

测试方法:

实验室内部方法, 采用ICP-OES、ICP-MS、AAS、UV-Vis、IC、XRF、GC-ECD、GC-MS、HPLC、LC-MS/MS进行检测

Test Method:

In-house method, analysis was performed by ICP-OES, ICP-MS, AAS, UV-Vis, IC, XRF, GC-ECD, GC-MS, HPLC, LC-MS/MS.

测试结果Test Results:

组别 Group No.	测试项目 Substance Name	化学文摘号 CAS NO.	结果 Result(%,w/w)	RL (%,w/w)
1	其他232种列入高关注度物质候选清单的高关注度物质 Other 232 Substances of SVHC in candidate list	--	ND	--
	N,N-二甲基甲酰胺 N,N-dimethylformamide	68-12-2	0.011	0.01
	3种公众评议物质 3 kinds of public comment substances	--	ND	--
2	73种列入高关注度物质候选清单的*高关注度物质 73 Substances of *SVHC in candidate list	--	ND	--

备注/Note:

“*” = 73种列入高关注度物质候选清单的高关注度物质(带“*”标记)/ 73 Substances of SVHC(marked with “*”) in candidate list

测试组别/ Test Group(s):

- 1: 非金属 / Non-metal (No.1+No.2+No.4+No.5)
- 2: 金属 / Metal (No.3)



备注/Note:

1. 根据法规(EC) No 1907/2006 中第7条款第4项之规定, 如果物质符合第57条款之标准以及可依据第59(1)条之规定鉴别, 并且同时符合以下两项要求, 任何物品的制造人或进口商应根据第7条第4款向欧盟化学品管理署进行通报:

In accordance with regulation (EC) No 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1), if both the following conditions are met:

(a) 物质在物品中的含量超过1吨/年/生产商或进口商;

the substance is present in those articles in quantities totalling over one tonne per producer or importer per year;

(b) 物质在物品中的总含量以质量分数计超过0.1%(W/W)的浓度。

the substance is present in those articles above a concentration of 0.1% weight by weight (w/w).

2. 自2008年10月28日起, 如果物品中含有超过0.1%含量的高关注物质(SVHC), 欧盟及欧洲经济区的供应商应向其客户, 或是在消费者提出要求后45天内提交足够有效的信息, 该信息必须保证对该物品的安全使用, 且必须提交该SVHC的名称。

From 28 October 2008, EU & EEA suppliers of articles which contain substances on the Candidate List in a concentration above 0.1% (W/W) must provide sufficient information, available to them, to their customers and on request to a consumer within 45 days of the receipt of this request. This information must ensure safe use of the article and, as a minimum, include the name of the substance.

3. ND= 未检出, 小于报告限(RL)。

ND=Not detected, Less than reporting limit (RL).

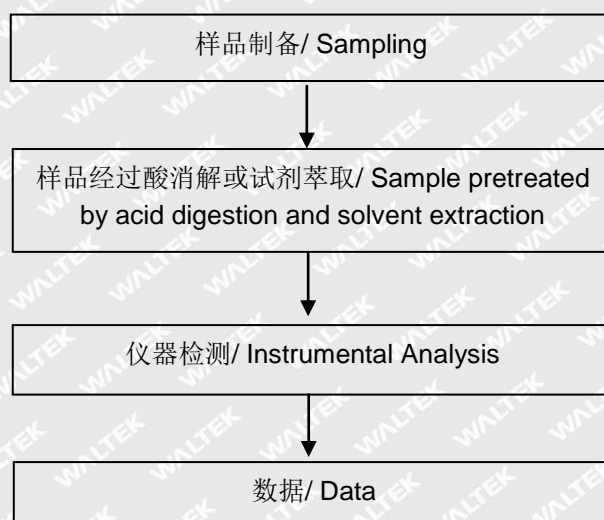
4. RL= 报告限 (若测试结果大于或等于报告限时将于报告上体现, RL并不代表法规要求限值)

RL=Reporting Limit (Test data will be shown if it \geq RL. RL is not regulatory limit.)

5. 基于混合测试部件中的最小样品质量计算测试结果。

Results are calculated by the minimum weight of mixed components.

测试流程图 / Measurement Flowchart:





附录

Appendix

1) 233项高关注物质列表 / The list of 233 Substances of Very High Concern

编号 Seq.	测试项目 Substance Name	CAS 号 CAS No.	EC号 EC No.	RL (%,w/w)
1	蒽 Anthracene	120-12-7	204-371-1	0.005
2	4,4'-二氨基二苯甲烷 4,4'-Diaminodiphenylmethane	101-77-9	202-974-4	0.005
3	邻苯二甲酸丁苄酯 Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	0.005
4	邻苯二甲酸二(2-乙基己基)酯 Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	204-211-0	0.005
5	邻苯二甲酸二丁酯 Dibutyl phthalate (DBP)	84-74-2	201-557-4	0.005
6	二甲苯麝香 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	0.005
7	六溴环十二烷(HBCDD) Hexabromocyclododecane (HBCDD)	25637-99-4	247-148-4	0.002
8	C10-13氯代烃(短链氯化石蜡SCCP) Chlorinated Paraffins C10-13	85535-84-8	287-476-5	0.01
9*	氯化钴 Cobalt dichloride	7646-79-9	231-589-4	0.01
10*	五氧化二砷 Diarsenic pentoxide	1303-28-2	215-116-9	0.01
11*	三氧化二砷 Diarsenic trioxide	1327-53-3	215-481-4	0.01
12*	二水合重铬酸钠 Sodium dichromate, dihydrate	7789-12-0	234-190-3	0.01
13*	酸式砷酸铅 Lead hydrogen arsenate	7784-40-9	232-064-2	0.01
14*	三乙基砷酸盐 Triethyl arsenate	15606-95-8	427-700-2	0.01
15	三丁基氧化锡 Bis(tributyltin)oxide	56-35-9	200-268-0	0.005
16	蒽油 Anthracene oil	90640-80-5	292-602-7	0.01
17	蒽油, 蒽糊, 轻油 Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5	0.01
18	蒽油, 蒽糊, 蒽馏分 Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	292-275-9	0.01
19	蒽油, 含蒽量少 Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.01
20	蒽油, 蒽糊 Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.01



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21	沥青, 煤焦油, 高温 Coal tar pitch, high temperature	65996-93-2	266-028-2	0.01
22	丙烯酰胺 Acrylamide	79-06-1	201-173-7	0.01
23*	硅酸铝, 耐火陶瓷纤维 Aluminosilicate Refractory Ceramic Fibres	--	Index No. 650-017-00-8	0.01
24*	氧化锆硅酸铝, 耐火陶瓷纤维 Zirconia Aluminosilicate, Refractory Ceramic Fibres	--	Index No. 650-017-00-8	0.01
25	2, 4-二硝基甲苯 2,4-Dinitrotoluene	121-14-2	204-450-0	0.01
26	邻苯二甲酸二异丁酯 Diisobutyl phthalate	84-69-5	201-533-2	0.01
27*	铬酸铅 Lead chromate	7758-97-6	231-846-0	0.01
28*	钼铬红(C.I. 颜料红104) Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	235-759-9	0.01
29*	铅铬黄(C.I. 颜料黄34) Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	0.01
30	磷酸三(2-氯乙基)酯 Tris(2-chloroethyl)phosphate	115-96-8	204-118-5	0.01
31	三氯乙烯 Trichloroethylene	79-01-6	201-167-4	0.01
32*	硼酸 Boric acid	10043-35-3 11113-50-1	233-139-2 234-343-4	0.01
33*	无水四硼酸钠 Disodium tetraborate, anhydrous	1330-43-4 12179-04-3 1303-96-4	215-540-4	0.01
34*	七水合四硼酸钠 Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3	0.01
35*	铬酸钠 Sodium chromate	7775-11-3	231-889-5	0.01
36*	铬酸钾 Potassium chromate	7789-00-6	232-140-5	0.01
37*	重铬酸铵 Ammonium dichromate	7789-09-5	232-143-1	0.01
38*	重铬酸钾 Potassium dichromate	7778-50-9	231-906-6	0.01
39*	硫酸钴 Cobalt(II) sulphate	10124-43-3	233-334-2	0.01
40*	硝酸钴 Cobalt(II) dinitrate	10141-05-6	233-402-1	0.01



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41*	碳酸钴 Cobalt(II) carbonate	513-79-1	208-169-4	0.01
42*	乙酸钴 Cobalt(II) diacetate	71-48-7	200-755-8	0.01
43	2-甲氧基乙醇 2-Methoxyethanol	109-86-4	203-713-7	0.005
44	2-乙氧基乙醇 2-Ethoxyethanol	110-80-5	203-804-1	0.005
45*	三氧化铬 Chromium trioxide	1333-82-0	215-607-8	0.01
46*	铬酸, 重铬酸, 铬酸及重铬酸低聚物 Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid	7738-94-5 13530-68-2	231-801-5 236-881-5	0.01
47	乙酸-2-乙氧基乙酯 2-ethoxyethyl acetate	111-15-9	203-839-2	0.01
48*	铬酸锶 Strontium chromate	7789-06-2	232-142-6	0.01
49	邻苯二甲酸二(C7-11支链与直链)烷基酯 1, 2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	0.01
50	肼 Hydrazine	7803-57-8 302-01-2	206-114-9	0.01
51	N-甲基吡咯烷酮 1-methyl-2-pyrrolidone	872-50-4	212-828-1	0.01
52	1,2,3-三氯丙烷 1,2,3-trichloropropane	96-18-4	202-486-1	0.01
53	邻苯二甲酸二(C6-8支链与直链)烷基酯,富C7 (DIHP) 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	276-158-1	0.01
54*	砷酸钙 Calcium arsenate	7778-44-1	231-904-5	0.01
55	双(2-甲氧基乙基)醚 Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.01
56*	氢氧化铬酸锌钾 Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	234-329-8	0.01
57*	苦味酸铅 Lead dipicrate	6477-64-1	229-335-2	0.01
58	N,N-二甲基乙酰胺 N,N-dimethylacetamide	127-19-5	204-826-4	0.01
59*	砷酸 Arsenic acid	7778-39-4	231-901-9	0.01
60	邻氨基苯甲醚 2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	0.01



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61*	砷酸铅 Trilead diarsenate	3687-31-8	222-979-5	0.01
62	1,2-二氯乙烷 1, 2-Dichloroethane	107-06-2	203-458-1	0.01
63*	氢氧化铬酸锌 Pentazinc chromate octahydroxide	49663-84-5	256-418-0	0.005
64	对特辛基苯酚 4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	205-426-2	0.01
65	甲醛苯胺共聚物 Formaldehyde, oligomeric reaction products with aniline	25214-70-4	500-036-1	0.01
66	邻苯二甲酸二甲氧乙酯 Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	0.01
67	4,4'亚甲基双(2-氯苯胺) 2,2'-dichloro-4,4'-methylenedianiline	101-14-4	202-918-9	0.01
68	酚酞 Phenolphthalein	77-09-8	201-004-7	0.01
69*	铬酸铬 Dichromium tris(chromate)	24613-89-6	246-356-2	0.01
70*	叠氮化铅 Lead diazide, Lead azide	13424-46-9	236-542-1	0.01
71*	2,4,6-三硝基苯二酚铅 Lead styphnate	15245-44-0	239-290-0	0.01
72	三甘醇二甲醚 1,2-bis(2-methoxyethoxy)ethaneTEGDME; triglyme)	112-49-2	2003-977-3	0.01
73	1,2-二甲氧基乙烷 1,2-dimethoxyethane;ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.01
74*	三氧化二硼 Diboron trioxide	1303-86-2	215-125-8	0.01
75	甲酰胺 Formamide	75-12-7	200-842-0	0.01
76*	甲磺酸铅(II) Lead(II)bis(methanesulfonate)	17570-76-2	401-750-5	0.01
77	异氰尿酸三缩水甘油酯 TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6 (1H,3H,5H)-trione	2451-62-9	219-514-3	0.01
78	替罗昔隆 β -TGIC(1,3,5-tris[(2S and2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3 H,5H)-trione)	59653-74-6	423-400-0	0.01
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	0.01



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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	0.01
81	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)	2580-56-5	219-943-6	0.01
82	溶剂蓝4 α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	0.01
83	α,α -二[(二甲氨基)苯基]-4-甲氨基苯甲醇 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2	0.01
84	碱性紫3 [4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	208-953-6	0.01
85*	颜料黄41 Pyrochlore, antimony lead yellow	8012-00-8	232-382-1	0.01
86	2-甲氧基-5-甲基苯胺 6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	0.01
87	全氟十一烷酸 Henicosaflluoroundecanoic acid	2058-94-8	218-165-4	0.01
88	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 Hexahydromethylphthalic anhydride [1],Hexahydro-4-methylphthalic anhydride[2], Hexahydro-1- methyl phthalic 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]	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1	0.01



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89	六氢邻苯二甲酸酐、 c六氢-1,3-异苯并呋喃二酮、 反-1,2-环己烷二羧酸酐 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]	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9	0.01
90	二丁基二氯化锡(DBTC) Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	0.01
91*	氟硼酸铅 Lead bis (tetrafluoroborate)	13814-96-5	237-486-0	0.01
92*	硝酸铅 Lead dinitrate	10099-74-8	233-245-9	0.01
93*	硅酸铅 Silicic acid, lead salt	11120-22-2	234-363-3	0.01
94	4-氨基偶氮苯 4-Aminoazobenzene	60-09-3	200-453-6	0.01
95*	钛酸铅锆 Lead titanium zirconium oxide	12626-81-2	235-727-4	0.01
96*	氧化铅 Lead monoxide (lead oxide)	1317-36-8	215-267-0	0.01
97	邻甲基苯胺 o-Toluidine	95-53-4	202-429-0	0.01
98	3-乙基-2-甲基-2-(3-甲基丁基)噁唑烷 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	0.01
99*	碱式碳酸铅 Trilead bis(carbonate)dihydroxide	1319-46-6	215-290-6	0.01
100	呋喃 Furan	110-00-9	203-727-3	0.01
101	N,N-二甲基甲酰胺 N,N-dimethylformamide	68-12-2	200-679-5	0.01
102*	掺杂铅的硅酸钡(铅含量超出CLP指令表述的致生殖 毒性1A、DSD指令致生殖毒性1类的通用限制浓度限 值;(EC) No 1272/2008 下指引号为082-001-00-6 的一组含铅化合物) Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]	68784-75-8	272-271-5	0.01



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编号 Seq.	测试项目 Substance Name	CAS 号 CAS No.	EC号 EC No.	RL (%,w/w)
103	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） 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	--	--	0.01
104	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) 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]	--	--	0.01
105	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	0.01
106	硫酸二乙酯 Diethyl sulphate	64-67-5	200-589-6	0.01
107	硫酸二甲酯 Dimethyl sulphate	77-78-1	201-058-1	0.01
108*	碱式硫酸铅 Lead oxide sulphate	12036-76-9	234-853-7	0.01
109*	钛酸铅 Lead titanium trioxide	12060-00-3	235-038-9	0.01
110*	碱式乙酸铅 Acetic acid, lead salt, basic	51404-69-4	257-175-3	0.01
111*	二盐基邻苯二甲酸铅 [Phthalato(2-)]dioxotrilead	69011-06-9	273-688-5	0.01
112	十溴联苯醚 Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	0.01
113	N-甲基乙酰胺 N-methylacetamide	79-16-3	201-182-6	0.01
114	地乐酚 Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	0.01
115	乙二醇二乙醚 1,2-Diethoxyethane	629-14-1	211-076-1	0.01
116*	三碱式硫酸铅 Tetralead trioxide sulphate	12202-17-4	235-380-9	0.01
117	邻苯二甲酸正戊基异戊基酯 N-pentyl-isopentylphthalate	776297-69-9	--	0.01
118*	双(十八酸基)二氧代三铅 Dioxobis(stearato)trilead	12578-12-0	235-702-8	0.01



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编号 Seq.	测试项目 Substance Name	CAS 号 CAS No.	EC号 EC No.	RL (%,w/w)
119*	四乙基铅 Tetraethyllead	78-00-2	201-075-4	0.01
120*	氧化铅与硫酸铅的复合物 Pentalead tetraoxide sulphate	12065-90-6	235-067-7	0.01
121	全氟十三酸 Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	0.01
122	全氟十二烷酸 Tricosafuorododecanoic acid	307-55-1	206-203-2	0.01
123	全氟代十四酸 Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	0.01
124	溴代正丙烷 1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	0.01
125	甲氧基乙酸 Methoxyacetic acid	625-45-6	210-894-6	0.01
126	2,4-二氨基甲苯 4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	0.01
127	环氧丙烷 Methyloxirane (Propylene oxide)	75-56-9	200-879-2	0.01
128*	磷酸氧化铅 Trilead dioxide phosphonate	12141-20-7	235-252-2	0.01
129	邻氨基偶氮甲苯 o-aminoazotoluene	97-56-3	202-591-2	0.01
130	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	0.01
131	4,4'-二氨基二苯醚 4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.01
132*	四氧化三铅 Orange lead (lead tetroxide)	1314-41-6	215-235-6	0.01
133	4-氨基联苯 Biphenyl-4-ylamine	92-67-1	202-177-1	0.01
134	邻苯二甲酸二异戊酯 (DIPP) Diisopentylphthalate	605-50-5	210-088-4	0.01
135*	C16-18脂肪酸铅盐 Fatty acids, C16-18, lead salts	91031-62-8	292-966-7	0.01
136	偶氮二甲酰胺 Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.01
137*	亚硫酸铅 (II) Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1	0.01
138*	氨基氰铅盐 Lead cyanamidate	20837-86-9	244-073-9	0.01
139*	镉 Cadmium	7440-43-9	231-152-8	0.01



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编号 Seq.	测试项目 Substance Name	CAS 号 CAS No.	EC号 EC No.	RL (%,w/w)
140*	氧化镉 Cadmium oxide	1306-19-0	215-146-2	0.01
141	全氟辛酸铵 Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	0.01
142	全氟辛酸 Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	0.01
143	邻苯二甲酸二正戊酯 Dipentyl phthalate (DPP)	131-18-0	205-017-9	0.01
144	乙氧基化的支链和支链的4-壬基酚（直链和/或支链的具有9个碳原子的烷基链共价键在4位的乙氧基酚，囊括了UVCB和定义明确的物质，聚合物和同系物，其中包括任何单独的异构体和/或它们的组合） 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]	--	--	0.01
145*	硫化镉 Cadmium sulphide	1306-23-6	215-147-8	0.01
146	C.I.直接黑38 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)	1937-37-7	217-710-3	0.01
147	邻苯二甲酸二己酯 Dihexyl phthalate	84-75-3	201-559-5	0.01
148	亚乙基硫脲 Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	202-506-9	0.01
149	磷酸三（二甲苯）酯 Trixylyl phosphate	25155-23-1	246-677-8	0.01
150	C.I.直接红28 Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	209-358-4	0.01
151*	醋酸铅(II) Lead di(acetate)	301-04-2	206-104-4	0.01
152	邻苯二甲酸二异己酯 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	0.01



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编号 Seq.	测试项目 Substance Name	CAS 号 CAS No.	EC号 EC No.	RL (%,w/w)
153*	氯化镉 Cadmium chloride	233-296-7	10108-64-2	0.01
154*	水合高硼酸钠盐类 Sodium perborate; perboric acid, sodium salt	--	239-172-9; 234-390-0	0.01
155*	过硼酸钠 Sodium peroxometaborate	231-556-4	7632-04-4	0.01
156*	氟化镉 Cadmium fluoride	7790-79-6	232-222-0	0.01
157*	硫酸镉 Cadmium sulphate	10124-36-4; 31119-53-6	233-331-6	0.01
158	2-[2-羟基-3',5'-二叔丁基苯基]-苯並三唑 紫外吸收剂UV 320 2-benzotriazol-2-yl-4,6-di-tert-butylphenol(UV-320)	3846-71-7	223-346-6	0.01
159	二正辛基-双(2-乙基己基巯基乙酸酯)锡 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate(DOTE) DOTE	15571-58-1	239-622-4	0.01
160	2-(2'-羟基-3',5'-二叔戊基苯基)苯並三唑 紫外吸收剂 UV328 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	0.01
161	二正辛基-双(2-乙基己基巯基乙酸酯)锡和单辛基-三(2-乙基己基巯基乙酸酯)锡的反应物 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)	--	--	0.01
162	邻苯二甲酸二(C6-C10)烷基酯:(癸基、己基、辛基)酯与1,2-邻苯二甲酸的复合物且邻苯二甲酸二己酯含量≥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	68515-51-5; 68648-93-1	271-094-0; 272-013-1	0.01
163	5-仲丁基-2-(2,4-二甲基-3-环己烯-1基)-5-甲基-1,3-二恶烷 [1], 5-仲丁基-2-(4,6-二甲基-3-环己烯-1基)-5-甲基-1,3-二恶烷[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 stereoisomers of [1] and [2] or any combination thereof]	--	--	0.01



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编号 Seq.	测试项目 Substance Name	CAS 号 CAS No.	EC号 EC No.	RL (%,w/w)
164	硝基苯 Nitrobenzene	98-95-3	202-716-0	0.01
165	2,4-二-叔丁基-6-(5-氯代苯并三唑-2-基)苯酚 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	0.01
166	2-(2'-羟基-3',5'-叔丁基苯基)苯并三唑 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	253-037-1	0.01
167	1,3-丙烷磺基脂 1,3-propanesultone	1120-71-4	214-317-9	0.01
168	全氟壬酸 (PFNA) 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及铵盐) 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)	375-95-1 21049-39-8 4149-60-4	206-801-3	0.01
169	苯并(a)芘 Benzo[a]pyrene (BaP)	50-32-8	200-028-5	0.01
170	4,4'-异亚丙基双酚(双酚 A) 4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	201-245-8	0.01
171	4-庚基苯酚 4-Heptylphenol, branched and linear	--	--	0.01
172	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	0.01
173	对叔戊基苯酚 p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	0.01
174	全氟己基磺酸及其盐类 Perfluorohexane-1-sulphonic acid and its salts	355-46-4	206-587-1	0.01
175	德克隆[包括所有反式和顺式异构体及其组合] Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	13560-89-9; 135821-74-8; 135821-03-3	--	0.01
176	苯并[a]蒽 Benz[a]anthracene	56-55-3	200-280-6	0.01
177*	硝酸镉 Cadmium nitrate	10325-94-7	233-710-6	0.01
178*	碳酸镉 Cadmium carbonate	513-78-0	208-168-9	0.01
179*	氢氧化镉 Cadmium hydroxide	21041-95-2	244-168-5	0.01
180	屈 Chrysene	218-01-9	205-923-4	0.01



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编号 Seq.	测试项目 Substance Name	CAS 号 CAS No.	EC号 EC No.	RL (%,w/w)
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≥0.1%w/w] 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]	--	--	0.01
182	苯并(g,h,i)芘 Benzo[ghi]perylene	191-24-2	205-883-8	0.01
183	十甲基环五硅氧烷 (D5) Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	0.01
184*	八硼酸二钠# Disodium octaborate	12008-41-2	234-541-0	0.01
185	十二甲基环六硅氧烷 (D6) Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	0.01
186	乙二胺 Ethylenediamine	107-15-3	203-468-6	0.01
187*	铅 Lead	7439-92-1	231-100-4	0.01
188	八甲基环四硅氧烷 (D4) Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	0.01
189	氢化三联苯 Terphenyl hydrogenated	61788-32-7	262-967-7	0.01
190	苯-1,2,4-三羧酸1,2-酐 (偏苯三酸酐) Benzene-1,2,4-tricarboxylic acid 1,2-anhydride (trimellitic anhydride) (TMA)	552-30-7	209-008-0	0.01
191	邻苯二甲酸二环己酯 Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	0.005
192	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) 1,7,7-trimethyl-3-(phenylmethylene)bicyclo [2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	239-139-9	0.01
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	0.01
194	苯并[k]荧蒽 Benzo[k]fluoranthene	207-08-9	205-916-6	0.01
195	荧蒽 Fluoranthene	206-44-0	205-912-4	0.01
196	菲 Phenanthrene	85-01-8	201-581-5	0.01
197	芘 Pyrene	129-00-0	204-927-3	0.01



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编号 Seq.	测试项目 Substance Name	CAS 号 CAS No.	EC号 EC No.	RL (%,w/w)
198	2,3,3,3-四氟-2-(七氟丙氧基)丙酸及其盐和酰基卤化物(包括单体和组合)(HFPO-DA) 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	--	--	0.01
199	甲二醇乙醚乙酸酯 2-methoxyethyl acetate	110-49-6	203-772-9	0.01
200	三(4-壬基苯基, 支链和直链)亚磷酸酯含0.1%4-壬基苯酚(支链和直链)(TNPP) Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with \geq 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	--	--	0.01
201	4-叔丁基苯酚(PTBP) 4-tert-Butylphenol	98-54-4	202-679-0	0.01
202	2-苄基-2-二甲基氨基-1-(4-吗啉苯基)丁酮 2-benzyl-2-dimethylamino-4'-morpholinobutyrophe none	119313-12-1	404-360-3	0.01
203	光引发剂 907 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	0.01
204	1,2-苯二羧酸二异己酯 Diisohexyl phthalate	71850-09-4	276-090-2	0.01
205	全氟丁烷磺酸(PFBS)及其盐 Perfluorobutane sulfonic acid (PFBS) and its salts	--	--	0.01
206	1-乙烯基咪唑 1-vinylimidazole	1072-63-5	214-012-0	0.01
207	2-甲基咪唑 2-methylimidazole	693-98-1	211-765-7	0.01
208	4-羟基苯甲酸丁酯 Butyl 4-hydroxybenzoate	94-26-8	202-318-7	0.01
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	0.01
210	双(2-(2-甲氧基乙氧基)乙基)醚 Bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	205-594-7	0.01
211	二月桂酸二辛基锡, 锡烷, 二辛基-双(椰油酰氧基)衍生物, 以及任何其他锡烷基锡, 二辛基-双(脂肪酰氧基)衍生物。其中C12是脂肪酰氧基部分的主要碳原子数 Diocetyl tin 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	--	--	0.01
212	1,4-二噁烷 1,4-dioxane	123-91-1	204-661-8	0.01



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编号 Seq.	测试项目 Substance Name	CAS 号 CAS No.	EC号 EC No.	RL (%,w/w)
213	2,2-双(溴甲基)-1,3-丙二醇 (BMP) 2,2-bis(bromomethyl) propane-1,3-diol (BMP) 三溴新戊醇/3-溴-2,2-二溴乙基丙醇(TBNPA) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propan ol (TBNPA) 2,3-二溴丙醇(2,3-DBPA) 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	0.01
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	--	--	0.01
215	双酚B(BPB) 4,4'-(1-methylpropylidene) bisphenol (bisphenol B)	77-40-7	201-025-1	0.01
216	戊二醛 Glutaral	111-30-8	203-856-5	0.01
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到C17之间) 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]	--	--	0.01
218*	硼酸钠 Orthoboric acid, sodium salt	13840-56-7	237-560-2	0.01
219	碳链(C12为主, 直链或支链)主要在对位的烷基酚物 质及其任何单个异构体或组合 (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)	--	--	0.01
220	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	0.01
221	乙烯基-三(2-甲氧基乙氧基)硅烷 tris(2-methoxyethoxy)vinylsilane	1067-53-4	213-934-0	0.01
222	(±)-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]bi cyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	--	--	0.01



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编号 Seq.	测试项目 Substance Name	CAS 号 CAS No.	EC号 EC No.	RL (%,w/w)
223	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	0.01
224	N-(羟甲基)丙烯酰胺 N-(hydroxymethyl)acrylamide	924-42-5	213-103-2	0.01
225	1,2-二(2,4,6-三溴苯氧基)乙烷 1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	37853-59-1	253-692-3	0.01
226	四溴双酚 A 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	201-236-9	0.01
227	双酚 S 4,4'-sulphonyldiphenol	80-09-1	201-250-5	0.01
228*	偏硼酸钡 Barium diboron tetraoxide	13701-59-2	237-222-4	0.01
229	3,4,5,6-四溴-1,2-苯二羧酸双(2-乙基己基)酯, 包括包括任何单独的异构体和/或其组合 Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	-	0.01
230	4-羟基苯甲酸 2-甲基丙酯 Isobutyl 4-hydroxybenzoate	4247-02-3	224-208-8	0.01
231	三聚氰胺 Melamine	108-78-1	203-615-4	0.01
232	全氟庚酸及其盐 Perfluoroheptanoic acid and its salts	-	-	0.01
233	2,2,3,3,5,5,6,6-八氟-4-(1,1,1,2,3,3,3-七氟丙烷-2-基)吗啉和2,2,3,3,5,5,5,6,6-八氟烷-4-(七氟丙基)吗啉的反应物料 reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl) morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	473-390-7	0.01



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2) 欧洲化学品管理局2021年6月1日和2023年2月17日提议增加的化学物质

The specified substances to be included in the candidate list of SVHC on ECHA's draft recommendation

编号 Seq.	测试项目 Substance Name	CAS 号 CAS No.	EC号 EC No.	RL (%,w/w)
1	间苯二酚 Resorcinol	108-46-3	203-585-2	0.01
2	二苯基(2,4,6-三甲基苯甲酰基)氧化膦 Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	278-355-8	0.01
3	4,4'-二氯二苯砒 Bis(4-chlorophenyl) sulphone	80-07-9	201-247-9	0.01

样品描述/ Specimen Description:

样品编号 Specimen No.	样品描述 Specimen Description
1	黑色涂层 Black coating
2	黑印白色塑料外壳 White plastic shell with black printing
3	银色金属插脚 Silvery metal pin
4	半透明干胶 Semi-transparent dry glue
5	黑色电路板 Black PCB



测试部位图片 / Photograph of parts tested:





报告编号/ Report No.: WTH23F04092201C

备注/ Remarks:

1. 检验检测结果仅对测试样品负责;
The results shown in this test report refer only to the sample(s) tested;
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