



中国认可
国际互认
检测
TESTING
CNAS L7072

检测报告 TEST REPORT

编号/No.: SH1608000101C

报告日期/Report date: 2016/08/12

申请单位 : 安示本供应链管理(上海)有限公司

Applicant Aspen SCM (Shanghai) Co., Ltd.

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以下检测样品由申请人提供及确认:

The following sample(s) was/were submitted and identified by/on behalf of the applicant as:

样品名称/Sample Name : 固包剂系列 / BagBond agents series

接收日期/Receiving Date : 2016/08/09

检测周期/Testing Period : 2016/08/09-2016/08/12

检测要求/Test Requested : 1.根据 EC Regulation 1907/2006 (REACH 法案)要求, 检测截至 2016 年 06 月 20 日被列入高关注度物质候选清单的 SVHC 含量。/According to European Commission Regulation 1907/2006 (REACH Act), to test the SVHC content which have been listed in ECHA's SVHC candidate list till 20 Jun. 2016.

<http://echa.europa.eu/web/guest/candidate-list-table>

2.检测样品中铅, 镉, 汞, 六价铬, 多溴联苯和多溴二苯醚的含量。
/To determine the Pb, Cd, Hg, Cr(VI), PBBs&PBDEs content of the submitted sample.

检测方法/Test Method : 参见下一页/Please refer to next page(s).

检测结果/Test Results : 参见下一页/Please refer to next page(s).

结论/Conclusion : 1.基于所提供样品的检测的结果, 所检测的高度关注物质含量均低于 0.1%。
/According to the analyzed result on submitted sample, the contents of mentioned test items are less than 0.1%.
2.申请人所提供的样品的检测结果符合欧盟 RoHS 指令 2011/65/EU 的要求。
/Based on the analysis on the submitted sample, the results do comply with the RoHS Directive 2011/65/EU.

周剑峰

刘世明

王一璐

批准 周剑峰
Approved by Jeffery Chou

审核 刘世明
Reviewed by Leo Liu

编制 王一璐
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检测结果/TEST RESULTS:

1.SVHC169

检测方法/Test Method: 参考 EPA: 8270D, 3052, 6010C, 3550C, 8321B 以及 EN14362, DIN EN ISO 17353, IEC 62321, AfPS GS 2014:01 PAK, EN 14582 的方法进行检测。 / With reference to EPA: 8270D, 3052, 6010C, 3550C, 8321B and EN14362, DIN EN ISO 17353, IEC 62321, AfPS GS 2014:01 PAK.

编号 No.	检测项目 Test Items	EC 编号 EC No.	CAS 编号 CAS No.	方法检测限 MDL(%)	检测结果 Test Results(%)
1	2, 4-二硝基甲苯/2,4-Dinitrotoluene	204-450-0	121-14-2	0.01	N.D.
2	2-乙氧基乙醇 (乙二醇乙醚) /2-Ethoxyethanol	203-804-1	110-80-5	0.005	N.D.
3	2-甲氧基乙醇 (乙二醇单甲醚) /2-Methoxyethanol	203-713-7	109-86-4	0.005	N.D.
4	4, 4'-二氨基二苯甲烷 /4,4'- Diaminodiphenylmethane	202-974-4	101-77-9	0.005	N.D.
5	二甲苯麝香 /5-tert-butyl-2,4,6-trinitro-m-xylene	201-329-4	81-15-2	0.005	N.D.
6	丙烯酰胺/Acrylamide	201-173-7	79-06-1	0.01	N.D.
7	C10-13 短链氯化石蜡 /Alkanes,C10-13, chloro	287-476-5	85535-84-8	0.005	N.D.
8	重铬酸铵*/Ammonium dichromate	232-143-1	7789-09-5	0.01	N.D.
9	蒽/Anthracene	204-371-1	120-12-7	0.005	N.D.
10	蒽油/Anthracene oil	292-602-7	90640-80-5	0.01	N.D.
11	蒽油, 蒽糊/Anthracene oil, anthracene paste	292-603-2	90640-81-6	0.01	N.D.
12	蒽油, 蒽糊, 蒽馏分/Anthracene oil,anthracene paste, anthracene fraction	295-275-9	91995-15-2	0.01	N.D.
13	蒽油, 蒽糊, 轻油 /Anthracene oil, anthracene paste; distn. Lights	295-278-5	91995-17-4	0.01	N.D.
14	蒽油, 低蒽/Anthracene oil, anthracene-low	292-604-8	90640-82-7	0.01	N.D.
15	邻苯二甲酸丁苄酯/Benzyl butyl phthalate(BBP)	201-622-7	85-68-7	0.005	N.D.
16	邻苯二甲酸二(2-乙基己基)酯 /Di(2-ethyl(hexyl)phthalate)(DEHP)	204-211-0	117-81-7	0.01	N.D.



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17	三丁基氧化锡(TBTO)** /Bis(tributyltin)oxide	200-268-0	56-35-9	0.01	N.D.
18	硼酸*/Boric acid	233-139-2/ 234-343-4	10043-35-3/ 11113-50-1	0.01	N.D.
19	三氧化铬衍生酸, 如铬酸、重铬酸、低聚铬酸等*/Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid	231-801-5 - 236-881-5	7738-94-5 - 13530-68-2	0.01	N.D.
20	三氧化铬*/Chromium trioxide	215-607-8	1333-82-0	0.01	N.D.
21	二氯化钴*/Cobalt dichloride	231-589-4	7646-79-9	0.01	N.D.
22	碳酸钴*/Cobalt(II) carbonate	208-169-4	513-79-1	0.01	N.D.
23	醋酸钴*/Cobalt(II) diacetate	200-755-8	71-48-7	0.01	N.D.
24	硝酸钴* /Cobalt(II) dinitrate	233-402-1	10141-05-6	0.01	N.D.
25	硫酸钴* /Cobalt(II) sulphate	233-334-2	10124-43-3	0.01	N.D.
26	五氧化二砷* /Diarsenic pentaoxide	215-116-9	1303-28-2	0.01	N.D.
27	三氧化二砷*/Diarsenic trioxide	215-481-4	1327-53-3	0.01	N.D.
28	邻苯二甲酸二丁酯 /Dibutyl Phthalate(DBP)	201-557-4	84-74-2	0.01	N.D.
29	邻苯二甲酸二异丁酯 /Diisobutyl phthalate(DIBP)	201-553-2	84-69-5	0.01	N.D.
30	无水四硼酸钠*/Disodium tetraborate, anhydrous	215-540-4	1303-96-4/ 1330-43-4/ 12179-04-3	0.01	N.D.



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31	六溴环十二烷 (HBCDD) 及其非对映异构体: α -HBCDD, β -HBCDD, γ -HBCDD /Hexabromocyclododecane	247-148-4 221-695-9	25637-99-4 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	0.002	N.D.
32	铬酸铅*/Lead chromate	231-846-0	7758-97-6	0.01	N.D.
33	钼铬红 (C.I.颜料红 104) */Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	0.01	N.D.
34	砷酸氢铅* /Lead hydrogen arsenate*	232-064-2	7784-40-9	0.01	N.D.
35	铅铬黄(C.I.颜料黄 34)*/Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	0.01	N.D.
36	煤焦油沥青, 高温/Coal tar pitch, high temperature	266-028-2	65996-93-2	0.01	N.D.
37	铬酸钾*/Potassium chromate	232-140-5	7789-00-6	0.01	N.D.
38	重铬酸钾*/Potassium dichromate	231-906-6	7778-50-9	0.01	N.D.
39	铬酸钠*/Sodium chromate	231-889-5	7775-11-3	0.01	N.D.
40	重铬酸钠*/Sodium dichromate	234-190-3	7789-12-0/ 10588-01-9	0.01	N.D.
41	七水合四硼酸钠*/Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	0.01	N.D.
42	三氯乙烯/Trichloroethylene	201-167-4	79-01-6	0.01	N.D.
43	三乙基砷酸酯*/Triethyl arsenate	427-700-2	15606-95-8	0.01	N.D.
44	磷酸三(2-氯乙基)酯 /Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	0.01	N.D.



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45	乙二醇乙醚醋酸酯 /2-ethoxyethyl acetate	203-839-2	111-15-9	0.01	N.D.
46	铬酸锶*/Strontium chromate	232-142-6	7789-06-2	0.01	N.D.
47	1,2-苯二酸-二(C7-11 支链与直链)烷基(醇)酯 /1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	0.01	N.D.
48	联氨/Hydrazine	206-114-9	7803-57-8 302-01-2	0.01	N.D.
49	1-甲基-2-吡咯烷酮 /1-methyl-2-pyrrolidone	212-828-1	872-50-4	0.01	N.D.
50	1,2,3-三氯丙烷 /1,2,3-trichloropropane	202-486-1	96-18-4	0.01	N.D.
51	1,2-苯二酸-二(C6-8支链)烷基酯(富C7) /1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	0.01	N.D.
52	苦味酸铅*/Lead dipicrate	229-335-2	6477-64-1	0.01	N.D.
53	2,4,6-三硝基苯二酚铅* /Lead styphnate	239-290-0	15245-44-0	0.01	N.D.
54	叠氮化铅* /Lead diazide Lead azide	236-542-1	13424-46-9	0.01	N.D.
55	酚酞/Phenolphthalein	201-004-7	77-09-8	0.01	N.D.
56	4,4'-亚甲基双-2-氯苯胺 /2,2'-dichloro-4,4'-methylenedianiline (MOCA)	202-918-9	101-14-4	0.01	N.D.
57	N,N-二甲基乙酰胺/ N,N-dimethylacetamide	204-826-4	127-19-5	0.01	N.D.
58	砷酸铅*/Trilead diarsenate	222-979-5	3687-31-8	0.01	N.D.
59	砷酸钙*/Calcium arsenate	231-904-5	7778-44-1	0.01	N.D.



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60	砷酸*/Arsenic acid	231-901-9	7778-39-4	0.01	N.D.
61	二乙二醇二甲醚 /Bis(2-methoxyethyl) ether	203-924-4	111-96-6	0.01	N.D.
62	1,2-二氯乙烷/1,2-Dichloroethane	203-458-1	107-06-2	0.01	N.D.
63	对特辛基苯酚 /4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	205-426-2	140-66-9	0.01	N.D.
64	邻氨基苯甲醚/2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0	0.01	N.D.
65	邻苯二甲酸二甲氧乙酯(DMEP) /Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	0.01	N.D.
66	甲醛苯胺共聚物 /Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	0.01	N.D.
67	氧化锆硅酸铝耐火陶瓷纤维*** /Zr-RCF(Zirconia Aluminosilicate Refractory Ceramic Fibres)	---	---	0.01	N.D.
68	硅酸铝耐火陶瓷纤维*** /Aluminosilicate Refractory Ceramic Fibres (RCF)	---	---	0.01	N.D.
69	锌黄(C.I.颜料黄 36)* /Pentazinc chromate octahydroxide	256-418-0	49663-84-5	0.01	N.D.
70	氢氧化铬酸锌钾*/Potassium hydroxyoctaoxodizincate di-chromate*	234-329-8	11103-86-9	0.01	N.D.
71	铬酸铬*/Dichromium tris(chromate)	246-356-2	24613-89-6	0.01	N.D.
72	1,2-二(2-甲氧基乙氧基)乙烷 /1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	0.01	N.D.



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73	乙二醇二甲醚 /1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	0.01	N.D.
74	三氧化二硼*/Diboron trioxide	215-125-8	1303-86-2	0.01	N.D.
75	甲酰胺/Formamide	200-842-0	75-12-7	0.01	N.D.
76	甲基磺酸铅*/Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	0.01	N.D.
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)	219-514-3	2451-62-9	0.01	N.D.
78	异氰脲酸β-三缩水甘油酯 /β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	423-400-0	59653-74-6	0.01	N.D.
79	4,4'-二(N,N-二甲氨基)二苯甲酮 (米氏酮) /4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	0.01	N.D.
80	4,4'-(对二甲氨基)二苯基甲烷 (米氏碱) /N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	0.01	N.D.
81	C.I.碱性紫3**** /[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet3)	208-953-6	548-62-9	0.01	N.D.



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82	C.I.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)	219-943-6	2580-56-5	0.01	N.D.
83	C.I.溶剂蓝4**** /α,α-Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	229-851-8	6786-83-0	0.01	N.D.
84	α,α-二[(二甲氨基)苯基]-4-甲氨基苯甲醇**** /4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	209-218-2	561-41-1	0.01	N.D.
85	十溴二苯醚 / Decabromodiphenyl ether (DecaBDE)	214-604-9	1163-19-5	0.01	N.D.
86	全氟十三酸 /Pentacosfluorotridecanoic acid	276-745-2	72629-94-8	0.01	N.D.
87	全氟十二酸 /Tricosfluorododecanoic acid	206-203-2	307-55-1	0.01	N.D.
88	全氟十一烷酸 /Henicosfluoroundecanoic acid	218-165-4	2058-94-8	0.01	N.D.
89	全氟十四酸 /Heptacosfluorotetradecanoic acid	206-803-4	376-06-7	0.01	N.D.
90	对特辛基苯酚 /4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated-covering well-defined substances and UVCB substances, polymers and homologues	---	---	0.01	N.D.



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91	4-壬基苯酚, 支链和直链 /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 ell-defined substances which include any of the individual isomers or a combination thereof	---	---	0.01	N.D.
92	偶氮二甲酰胺 /Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	0.01	N.D.
93	六氢邻苯二甲酸酐 /Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	201-604-9	85-42-7	0.01	N.D.
94	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, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	0.01	N.D.
95	甲氧基乙酸 /Methoxy acetic acid	210-894-6	625-45-6	0.01	N.D.
96	支链和直链1,2-苯二羧二戊酯 /1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	0.01	N.D.



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97	邻苯二甲酸二异戊酯 /Diisopentylphthalate (DIPP)	210-088-4	605-50-5	0.01	N.D.
98	邻苯二甲酸正戊基异戊基酯 /N-pentyl-isopentylphthalate	---	---	0.01	N.D.
99	乙二醇二乙醚 /1,2-Diethoxyethane	211-076-1	629-14-1	0.01	N.D.
100	N,N-二甲基甲酰胺 /N,N-dimethylformamide; dimethyl formamide	200-679-5	68-12-2	0.01	N.D.
101	二丁基二氯化锡 /Dibutyltin dichloride (DBT)	211-670-0	683-18-1	0.01	N.D.
102	碱式乙酸铅* /Acetic acid, lead salt, basic	257-175-3	51404-69-4	0.01	N.D.
103	碱式碳酸铅* /Basic lead carbonate (trilead bis(carbonate)dihydroxide)	215-290-6	1319-46-6	0.01	N.D.
104	碱式硫酸铅* /Lead oxide sulfate (basic lead sulfate)	234-853-7	12036-76-9	0.01	N.D.
105	[1,2-苯二羧酸根合]二氧化三铅* /[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)	273-688-5	69011-06-9	0.01	N.D.
106	双(十八酸基)二氧代三铅* /Dioxobis(stearato)trilead	235-702-8	12578-12-0	0.01	N.D.
107	C16-18-脂肪酸铅盐* /Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	0.01	N.D.
108	四氟硼酸铅* /Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	0.01	N.D.
109	氨基氰铅盐* /Lead cyanamidate	244-073-9	20837-86-9	0.01	N.D.
110	硝酸铅*/ Lead dinitrate	233-245-9	10099-74-8	0.01	N.D.



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111	氧化铅* /Lead oxide (lead monoxide)	215-267-0	1317-36-8	0.01	N.D.
112	四氧化三铅, 铅丹* /Lead tetroxide (orange lead)	215-235-6	1314-41-6	0.01	N.D.
113	钛酸铅* /Lead titanium trioxide	235-038-9	12060-00-3	0.01	N.D.
114	钛酸铅* /Lead Titanium Zirconium Oxide	235-727-4	12626-81-2	0.01	N.D.
115	氧化铅与硫酸铅的复合物* /Pentalead tetraoxide sulphate	235-067-7	12065-90-6	0.01	N.D.
116	颜料黄41* /Pyrochlore, antimony lead yellow C.I.	232-382-1	8012-00-8	0.01	N.D.
117	铅掺杂的硅钡酸盐* /Silicic acid, barium salt, lead-doped	272-271-5	68784-75-8	0.01	N.D.
118	硅酸铅* /Silicic acid, lead salt	234-363-3	11120-22-2	0.01	N.D.
119	亚硫酸铅(II)* /Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	0.01	N.D.
120	四乙基铅* /Tetraethyllead	201-075-4	78-00-2	0.01	N.D.
121	三碱式硫酸铅* /Tetralead trioxide sulphate	235-380-9	12202-17-4	0.01	N.D.
122	磷酸氧化铅* /Trilead dioxide phosphonate	235-252-2	12141-20-7	0.01	N.D.
123	呋喃/Furan	203-727-3	110-00-9	0.01	N.D.
124	环氧丙烷/Propylene oxide; 1,2-epoxypropane; methyloxirane	200-879-2	75-56-9	0.01	N.D.
125	硫酸二乙酯 /Diethyl sulphate	200-589-6	64-67-5	0.01	N.D.



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126	硫酸二甲酯 /Dimethyl sulphate	201-058-1	77-78-1	0.01	N.D.
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-oxazolidine3-	421-150-7	143860-04-2	0.01	N.D.
128	地乐酚 (二硝丁酚) /Dinoseb	201-861-7	88-85-7	0.01	N.D.
129	4,4'-二氨基-3,3'-二甲基二苯甲烷 /4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	0.01	N.D.
130	4,4'-二氨基二苯醚 /4,4'-oxydianiline and its salts	202-977-0	101-80-4	0.01	N.D.
131	4-氨基偶氮苯 /4-Aminoazobenzene; 4-Phenylazoaniline	200-453-6	60-09-3	0.01	N.D.
132	2,4-二氨基甲苯 /4-methyl-m-phenylenediamine (2,4-toluene-diamine)	202-453-1	95-80-7	0.01	N.D.
133	2-甲氧基-5-甲基苯胺 /6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	0.01	N.D.
134	4-氨基联苯 /Biphenyl-4-ylamine	202-177-1	92-67-1	0.01	N.D.
135	邻氨基偶氮甲苯 /o-aminoazotoluene	202-591-2	97-56-3	0.01	N.D.
136	邻甲基苯胺 /o-Toluidine; 2-Aminotoluene	202-429-0	95-53-4	0.01	N.D.
137	N-甲基乙酰胺 /N-methylacetamide	201-182-6	79-16-3	0.01	N.D.
138	溴代正丙烷 /1-bromopropane; n-propyl bromide	203-445-0	106-94-5	0.01	N.D.



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139	镉/Cadmium	231-152-8	7440-43-9	0.01	N.D.
140	氧化镉*/Cadmium oxide	215-146-2	1306-19-0	0.01	N.D.
141	十五代氟辛酸铵盐/Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	0.01	N.D.
142	全氟辛酸类化合物/ Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	0.01	N.D.
143	邻苯二甲酸二戊酯/Dipentyl phthalate (DPP)	205-017-9	131-18-0	0.01	N.D.
144	4-壬基酚, 支化或者线性, 乙氧基/4-Nonylphenol, branched and linear, ethoxylated	---	---	0.01	N.D.
145	硫化镉*/Cadmium sulphide	215-147-8	1306-23-6	0.01	N.D.
146	邻苯二甲酸二己酯(DHXP) /Dihexyl phthalate (DHXP)	201-559-5	84-75-3	0.01	N.D.
147	直接红28 /Disodium3,3'-[[1,1'-biphenyl]-4,4'-diylbis (azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	209-358-4	573-58-0	0.01	N.D.
148	直接黑38 /Disodium4-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)	217-710-3	1937-37-7	0.01	N.D.
149	亚乙基硫脲/Imidazolidine-2-thione; (2-imidazoline-2-thiol)	202-506-9	96-45-7	0.01	N.D.
150	醋酸铅(II)*/Lead di(acetate) (II)	206-104-4	301-04-2	0.01	N.D.
151	磷酸三(二甲苯)酯/Trixylyl phosphate	246-677-8	25155-23-1	0.01	N.D.



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152	邻苯二甲酸二（支链与直链）己酯 /1,2-Benzenedicarboxylic acid, dihexylester, branched and linear	271-093-5	68515-50-4	0.01	N.D.
153	一水合过硼酸钠、过硼酸钠盐/ Sodium perborate; perboric acid, sodium salt*	239-172-9; 234-390-0	---	0.01	N.D.
154	无水过硼酸钠/ Sodium peroxometaborate*	231-556-4	7632-04-4	0.01	N.D.
155	氯化镉/ Cadmium chloride*	233-296-7	68515-50-4	0.01	N.D.
156	氟化镉/Cadmium fluoride*	232-222-0	7790-79-6	0.01	N.D.
157	硫酸镉/Cadmium sulphate*	233-331-6	10124-36-4; 31119-53-6	0.01	N.D.
158	2-(2'-羟基-3',5'-二叔丁基苯基)-苯并三唑 (UV-320) /2-benzotriazol-2-yl-4,6-di-tert-butylphenol(UV-3 20)	223-346-6	3846-71-7	0.01	N.D.
159	2-(2H-苯并三唑-2-基)-4,6-二叔戊基苯酚 (UV-328) /2-(2H-benzotriazol-2-yl)-4,6-ditertpentylph-enol(UV328)	247-384-8	25973-55-1	0.01	N.D.
160	二正辛基-双(巯乙酸 2-乙基己酯)锡(DOTE) /2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stan natetradecanoate	239-622-4	15571-58-1	0.01	N.D.
161	二正辛基-双(巯乙酸2-乙基己酯)锡(DOTE)和三 (2-乙基己酯巯基乙酸)辛锡(MOTE)的反应物料 /Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stan natetradecanoate and ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thi o]-4-octyl-7-oxa-3,5-dithia-4-stannateradecanoate	---	---	0.01	N.D.



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编号 No.	检测项目 Test Items	EC 编号 EC No.	CAS 编号 CAS No.	方法检测限 MDL (%)	检测结果 Test Results (%)
162	邻苯二甲酸二(C6-C10)烷基酯 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate(EC No. 201-559-5).	271-094-0; 272-013-1	68515-51-5; 68648-93-1	0.01	N.D.
163	卡拉花醛 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	N.D.
164	硝基苯/Nitrobenzene	202-716-0	98-95-3	0.01	N.D.
165	2,4-二-叔丁基-6-(5-氯-2H-苯并三唑-2-基)苯酚 紫外线吸收剂 UV-327/ 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	0.01	N.D.
166	2-(2H-苯并三唑-2-基)-4-特丁基-6-仲丁基苯酚 (紫外吸收剂 UV-350) /2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	0.01	N.D.
167	1,3-丙烷磺内酯/1,3-propanesultone	214-317-9	1120-71-4	0.01	N.D.
168	全氟壬酸及其钠盐和铵盐 /Perfluorononan-1-oic-acid and its sodium and ammonium salts	206-801-3	375-95-1 21049-39-8 4149-60-4	0.01	N.D.
169	苯并(a)芘/Benzo[def]chrysene(Benzo[a]pyrene)	200-028-5	50-32-8	0.01	N.D.



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2.ROHS(6)

检测项目 Test Items	检测方法 Methods	方法检测限 MDL (mg/kg)	检测结果 Results (mg/kg)	法规限值* Limited Value (mg/kg)
铅/Pb	M1	2	N.D.	1000
镉/Cd		2	N.D.	100
汞/Hg	M2	2	N.D.	1000
六价铬/Cr (VI)	M3	2	N.D.	1000
一溴联苯/Monobromobiphenyl (MonoBB)	M4	5	N.D.	---
二溴联苯/Dibromobiphenyl (DiBB)		5	N.D.	---
三溴联苯/Tribromobiphenyl (TriBB)		5	N.D.	---
四溴联苯/Tetrabromobiphenyl (TetraBB)		5	N.D.	---
五溴联苯/Pentabromobiphenyl (PentaBB)		5	N.D.	---
六溴联苯/Hexabromobiphenyl (HexaBB)		5	N.D.	---
七溴联苯/Heptabromobiphenyl (HeptaBB)		5	N.D.	---
八溴联苯/Octabromobiphenyl (OctaBB)		5	N.D.	---
九溴联苯/Nonabromobiphenyl (NonaBB)		5	N.D.	---
十溴联苯/Decabromobiphenyl (DecaBB)		5	N.D.	---
上述多溴联苯总和/Total PBBs sum of above		---	N.D.	1000
一溴二苯醚/Monobromodiphenyl ether (MonoBDE)		5	N.D.	---
二溴二苯醚/Dibromodiphenyl ether (DiBDE)		5	N.D.	---
三溴二苯醚/Tribromodiphenyl ether (TriBDE)		5	N.D.	---
四溴二苯醚/Tetrabromodiphenyl ether (TetraBDE)		5	N.D.	---
五溴二苯醚/Pentabromodiphenyl ether (PentaBDE)		5	N.D.	---
六溴二苯醚/Hexabromodiphenyl ether (HexaBDE)		5	N.D.	---
七溴二苯醚/Heptabromodiphenyl ether (HeptaBDE)		5	N.D.	---
八溴二苯醚/Octabromodiphenyl ether (OctaBDE)		5	N.D.	---
九溴二苯醚/Nonabromodiphenyl ether (NonaBDE)		5	N.D.	---
十溴二苯醚/Decabromodiphenyl ether (DecaBDE)		5	N.D.	---
上述多溴二苯醚总和/Total PBDEs sum of above		---	N.D.	1000

注意/Remark : *报告中述及的法规限值根据是欧盟 RoHS 指令 2011/65/EU。 / The Limited value is based on the RoHS directive 2011/65/EU.



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备注 1

Remark 1

1) 根据 REACH 法规第 7 条第 4 款, 如果物质符合第 57 条中的标准并根据第 59 条第 1 款被确定, 该物品的任何制造商或进口商必须向欧洲化学品管理署进行通报:

(a) 物质在物品中的总含量超过 1 吨/年/每制造商或进口商;

(b) 物质在物品中的总含量大于 0.1%(重量比 w/w)。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) the substance is present in those articles in quantities totalling over 1 tonne per producer or importer per year;

(b) 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 的最小含量值。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.

备注 2

Remark 2

1) *二氯化钴、硫酸钴、硝酸钴、碳酸钴和醋酸钴的含量是根据Co以及Cl⁻、SO₄²⁻、NO₃⁻、CO₃²⁻和 [C₂H₃O₂]⁻的含量计算得到的; 五氧化二砷, 三氧化二砷, 砷酸氢铅, 三乙基砷酸酯, 三氧化铬, 重铬酸钠, 铬酸铅, 铬酸钠, 铬酸钾, 重铬酸铵, 重铬酸钾, 钼铬红, 铅铬黄, 三氧化铬衍生酸, 铬酸锶, 苦味酸铅, 2,4,6-三硝基苯二酚铅, 叠氮化铅, 砷酸铅, 砷酸钙, 砷酸, 氢氧化铬酸锌钾, 铬酸铬, 铀黄, 甲磺酸铅(II), 三氧化二硼, 碱式乙酸铅, 碱式碳酸铅, 碱式硫酸铅, [1,2-苯二羧酸根合]二氧化三铅, 双(十八烷基)二氧代三铅, C16-18-脂肪酸铅盐, 四氟硼酸铅, 氨基铅盐, 硝酸铅, 氧化铅, 四氧化三铅, 铅丹, 钛酸铅, 钛酸铅锆, 氧化铅与硫酸铅的复合物, C.I.颜料黄 41, 铅掺杂的硅钡酸盐, 硅酸铅, 亚硫酸铅(II), 四乙基铅, 三碱式硫酸铅, 磷酸氧化铅, 氧化镉, 硫化镉, 醋酸铅(II), 硫酸镉的含量是根据测定各重金属元素的含量计算得到; 硼酸, 无水四硼酸钠, 七水合四硼酸钠的含量是根据测定硼元素和钠元素的含量计算得到; 过硼酸钠、过硼酸钠盐的含量是根据测定硼元素和钠元素的含量计算得到; 氯化镉的含量是根据测定氯元素和镉元素的含量计算得到; 氟化镉的含量是根据测定氟元素和镉元素的含量计算得到。上述方法还有待进一步证实。/ Calculated concentration of cobalt dichloride, cobalt(II) sulphate, cobalt(II) dinitrate, cobalt(II) carbonate and cobalt(II) diacetate is based on the identified heavy metal and anion result. Calculated concentration of diarsenic pentaoxide, diarsenic trioxide, chromium trioxide, sodium dichromate, dehydrate, lead hydrogen arsenate, triethyl arsenate, lead chromate, sodium chromate, strontium chromate, potassium chromate, ammonium dichromate, potassium dichromate, lead chromate molybdate sulfate red, lead sulfochromate yellow and acids generated from chromium trioxide and their oligomers, Lead dipicrate, Lead styphnate, Lead azide, Lead diazide, Trilead diarsenate, Calcium arsenate, Arsenic acid, Potassium hydroxyoctaoxodizincatedi-chromate, Dichromium tris(chromate), Pentazinc chromate octahydroxide, Lead(II) bis(methanesulfonate), Diboron trioxide, Acetic acid, lead salt, basic, Basic lead carbonate (trilead bis(carbonate)dihydroxide), Lead oxide sulfate (basic lead



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sulfate), [Phthalato(2-)]dioxotrilead (dibasic lead phthalate), Dioxobis(stearato)trilead, Fatty acids, C16-18, lead salts, Lead bis(tetrafluoroborate), Lead cyanamate, Lead dinitrate, Lead oxide (lead monoxide), Lead tetroxide (orange lead), Lead titanium trioxide, Lead Titanium Zirconium Oxide, Pentalead tetraoxide sulphate, Pyrochlore, antimony lead yellow, Silicic acid, barium salt, lead-doped, Sulfurous acid, lead salt, dibasic, Tetraethyllead, Tetralead trioxide sulphate, Trilead dioxide phosphonate, Cadmium oxide, Cadmium sulphide, Lead di(acetate) (II), Cadmium sulphate are based on the identified heavy metal result, boric acid, disodium tetraborate, anhydrous and tetraboron disodium heptaoxide, hydrate, Sodium perborate; perboric acid, sodium salt, Sodium peroxometaborate are based on the identified result of boron and sodium result. Cadmium chloride is based on the identified result of cadmium and chloride result. Cadmium fluoride is based on the identified result of cadmium and fluoride result. The identities of above metal substances present in the article have to be further confirmed;

2) **三丁基氧化锡-TBTO 的含量是根据三丁基锡和 TBT 计算得到。报告中所列 TBTO 的含量是根据观测的方法来测得的, 其精确含量需经进一步的研究来获得; / Concentration of bis(tributyltin)oxide, TBTO is reported as tributyltin, TBT. The result is a screening test of TBTO and can cover TBTO and other salts under current technologies. Further investigation is needed to have the exact amount of TBTO;

3) ***铝硅酸盐, 耐熔性陶瓷纤维; 氧化锆铝酸盐, 耐熔性陶瓷纤维的含量是根据硅、铝和锆三种元素的含量计算得到并经显微镜确认;

/ Calculated concentration of Aluminosilicate, Refractory Ceramic Fibres ; Zirconia

Aluminosilicate, Refractory Ceramic Fibres is based on the identified heavy metal result and confirmation by microscope;

4) ****该物质是基于其含有的致癌成分米氏酮的重量百分比 $\geq 0.1\%$ 考虑的;

/The substance does only fulfil the criteria of REACH Art. 57 (a) if it contains Michler's ketone (EC Number: 202-027-5) or Michler's base (EC Number: 202-959-2) in a concentration $\geq 0.1\%$;

5) N.D.=未检出, 小于检测限 (MDL) /Not detected, less than method detection limit(MDL).

备注 3

Remark 3

1)“---”= 未明确规定/Not Regulated.

2)M1: 参考 IEC 62321-5: 2013, 采用电感耦合等离子体发射光谱仪进行检测。

With reference to IEC 62321-5: 2013, analysis was performed by ICP-OES.

3)M2: 参考 IEC 62321-4: 2013, 采用电感耦合等离子体发射光谱仪进行检测。

With reference to IEC 62321-4: 2013, analysis was performed by ICP-OES.

4)M3: 参考 IEC 62321: 2008, 采用紫外可见分光光度计进行检测。

With reference to IEC 62321: 2008, analysis was performed by UV-Vis.

5)M4: 参考 IEC 62321-6: 2015, 采用气相色谱质谱联用仪进行检测。

With reference to IEC 62321-6: 2015, analysis was performed by GC-MS.

检测部位描述/TEST PART DESCRIPTION: 绿色液体 / Green Liquid



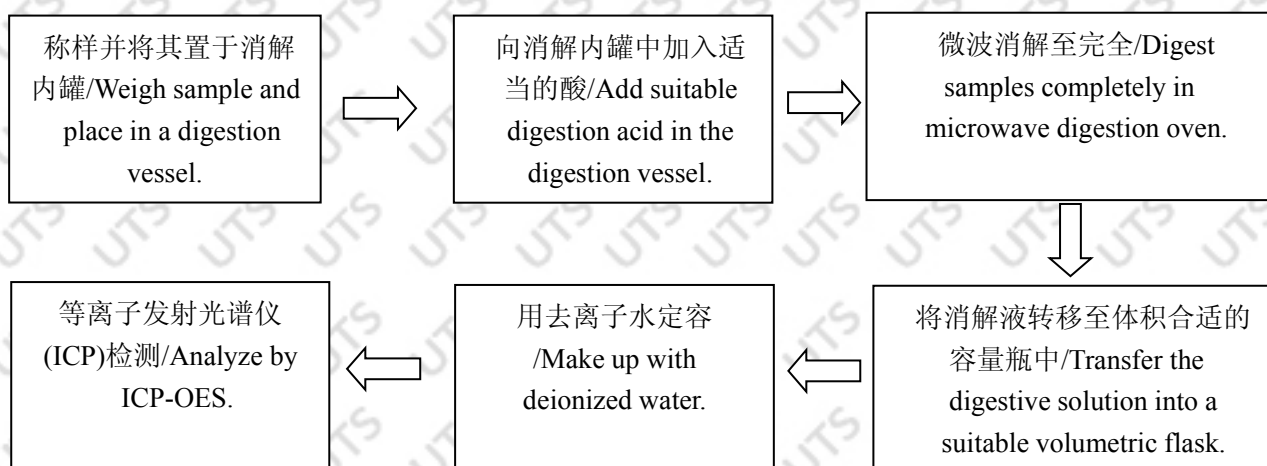
检测报告 TEST REPORT

编号/No.: SH1608000101C

报告日期/Report date: 2016/08/12

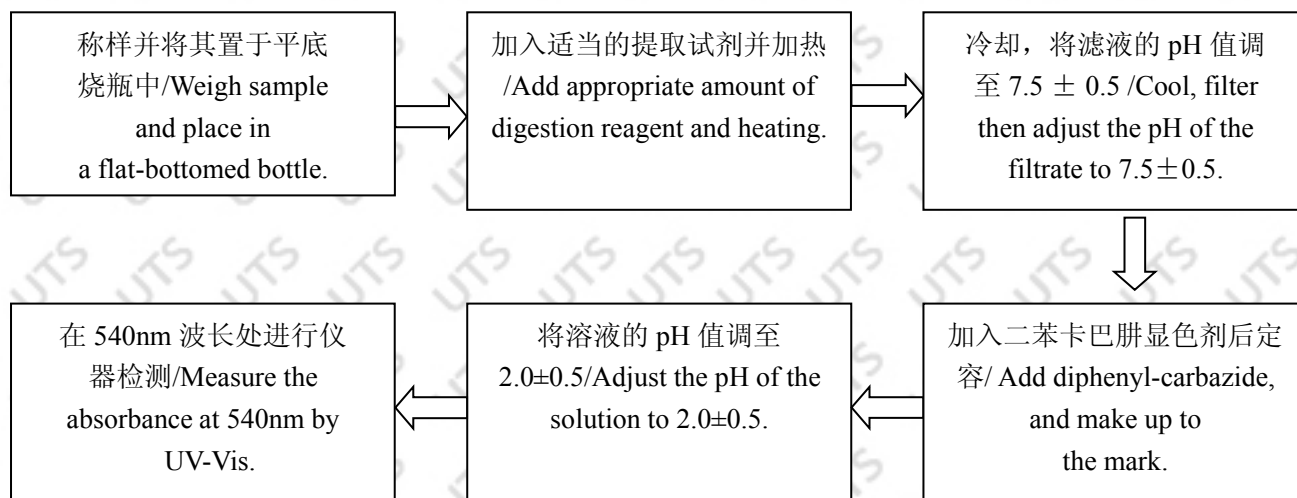
检测流程图/FLOW CHART

1. Pb、Hg、Cd 检测/Test for Pb, Hg, Cd Content



样品成分/Sample Material	消化酸/Digestion Acid
玻璃/Glass	HNO ₃ /HF
塑料/Plastic	H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ , HCl
其它/Others	加入其它的酸消解/Any acid to total digestion.

2. 六价铬 Cr(VI) 检测/Test for Chromium(VI) Content



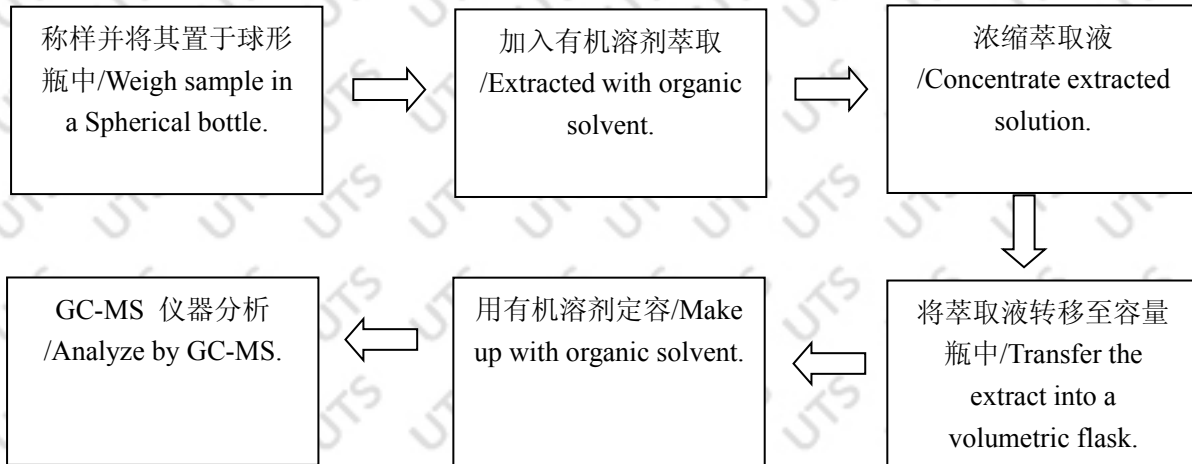


检测报告 TEST REPORT

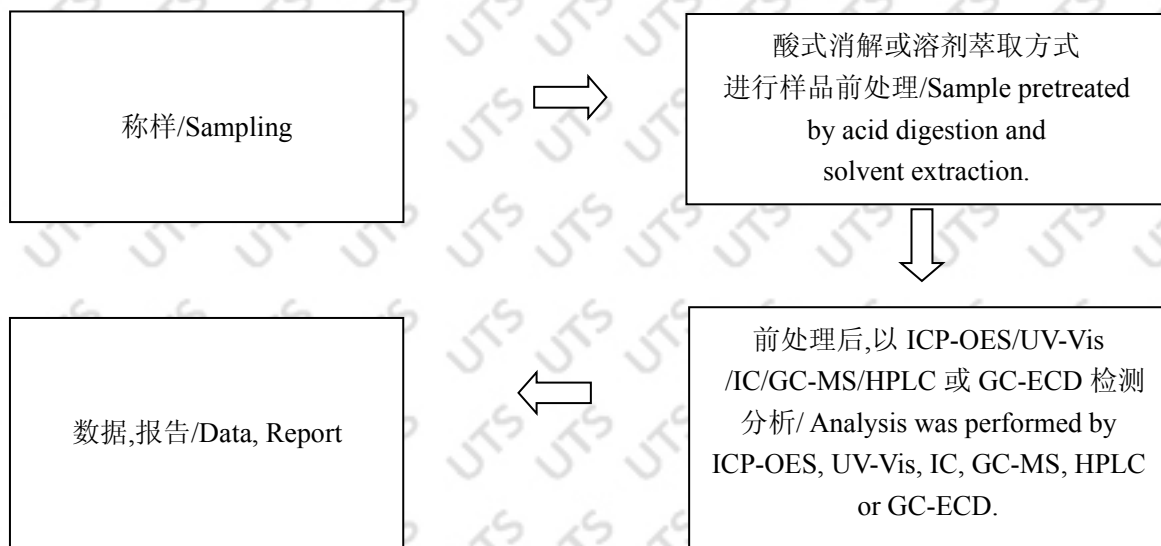
编号/No.: SH1608000101C

报告日期/Report date: 2016/08/12

3. 多溴联苯&多溴二苯醚检测/Test for PBBs&PBDEs Content



3.SVHC 检测/Test for SVHC Content





检 测 报 告 TEST REPORT

编号/No.: SH1608000101C

报告日期/Report date: 2016/08/12

样品照片/SAMPLE PHOTO



.....报告结束/ End of Report.....