



测试报告(Test report) 编号(No.): LCZC15040952 日期(Date): 2015/04/29 页码(Page): 1 of 19

申请方 : 山东双马橡胶有限公司
Applicant Shandong Shuangma Rubber Co., Ltd
地址 : 山东省东营市广饶县大王工业园
Address Dawang Industrial Park, Guangrao County, Dongying, Shandong
接收日期 : 2015/04/23
Date of Received
测试周期 : 2015/04/23~2015/04/29
Testing Period

本测试报告是基于申请方所提供的样品进行测试, 样品信息:

Report on the submitted sample said to be:

样品名称 : 橡胶输送带
Item Name Rubber Conveyor Belt
材质 : 橡胶 & 织物
Material Rubber & Textile
型号 : DIN Grade
Model No.
供应商 : 山东双马橡胶有限公司
Supplier Shandong Shuangma Rubber Co., Ltd
制造商 : 山东双马橡胶有限公司
Manufacturer Shandong Shuangma Rubber Co., Ltd

详细测试内容请参看下页。
Please see the next page(s) for details.

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Signed for and on behalf of **LCTECH**

报告签发 Approved by

罗志焕 Robert Luo
技术经理 Technical Manager



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样品编号

测试要求

Sample No.

Test Request

01

法规(EC) No.1907/2006 (REACH) — 2014年12月17日更新的高关注物质(SVHC)候选清单, 采用目前可用的化学分析方法测试 161 项 SVHC 含量。

Regulation (EC) No.1907/2006 (REACH) — Substances of Very High Concern (SVHC) candidate list updated on Dec. 17, 2014, testing of the 161 SVHC was performed by currently available analytical techniques.

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1 测试结果 TEST RESULT

1.1 SVHC 含量 — 法规(EC) No.1907/2006

SVHC Testing Results-Regulation(EC) No.1907/2006

序号 No.	高度关注物质 (SVHC) Substance of Very High Concern	CAS No.	SVHC 测试结果 Result (%)
			01
1	蒽 Anthracene *	120-12-7	ND
2	4, 4' -二氨基二苯甲烷 4, 4' -Diaminodiphenylmethane(MDA)	101-77-9	ND
3	邻苯二甲酸二丁酯 Dibutyl Phthalate (DBP) *	84-74-2	ND
4	二氯化钴 Cobalt Dichloride Δ	7646-79-9	ND
5	五氧化二砷 Diarsenic Pentaoxide Δ	1303-28-2	ND
6	三氧化二砷 Diarsenic Trioxide Δ	1327-53-3	ND
7	重铬酸钠 Sodium Dichromate Δ	7789-12-0, 10588-01-9	ND
8	二甲苯麝香 5-Tert-Butyl-2,4,6-Trinitro-M-Xylene (Musk-Xylene)*	81-15-2	ND
9	邻苯二甲酸(2-乙基己基)酯 Bis (2-Ethyl Hexyl) Phthalate(DEHP) *	117-81-7	ND
10	六溴环十二烷 Hexabromocyclododecane*(HBCDD) #1	25637-99-4, 3194-55-6	ND
11	短链氯化石蜡 Short Chain Chlorinated Paraffin,C10-C13 (SCCP) *	85535-84-8	ND
12	氧化双三丁基锡 Bis (Tributyltin) Oxide (TBTO)#2	56-35-9	ND
13	酸式砷酸铅 Lead Hydrogen Arsenate Δ	7784-40-9	ND
14	三乙基砷酸酯 Triethyl Arsenate Δ	15606-95-8	ND

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			01
15	邻苯二甲酸丁苄酯 Benzyl Butyl Phthalate (BBP) *	85-68-7	ND
16	蒽油 Anthracene oil #3	90640-80-5	ND
17	蒽油, 蒽糊, 轻油 Anthracene oil, Anthracene paste, distn. Lights #3	91995-17-4	ND
18	蒽油, 蒽糊, 蒽馏分 Anthracene oil, anthracene paste, anthracene fraction #3	91995-15-2	ND
19	蒽油, 少蒽 Anthracene oil, Anthracene-low #3	90640-82-7	ND
20	蒽油, 蒽糊 Anthracene oil, anthracene paste #3	90640-81-6	ND
21	煤沥青, 高温 Pitch, coal tar, high-temp #3	65996-93-2	ND
22	硅酸铝, 耐火陶瓷纤维 Aluminosilicate, Refractory Ceramic Fibres #4 Δ	索引号 Index no.: 650-017-00-8	ND
23	锆硅酸铝, 耐火陶瓷纤维 Zirconia Aluminosilicate, Refractory Ceramic Fibres #5 Δ	索引号 Index no.: 650-017-00-8	ND
24	邻苯二甲酸二异丁酯 Di-isobutylphthalate (DIBP) *	84-69-5	ND
25	2,4-二硝基甲苯 2,4-Dinitrotoluene (DNT) *	121-14-2	ND
26	磷酸三(2-氯乙基)酯 Tris(2-chloroethyl) phosphate (TCEP) *	115-96-8	ND
27	铬酸铅 Lead chromate Δ	7758-97-6	ND
28	钼铬红 (CI 颜料红 104) Lead chromate molybdate sulphate red(C.I. Pigment Red104) Δ	12656-85-8	ND

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			01
29	铬酸铅 (CI 颜料黄 34) Lead sulphochromate yellow (C.I. Pigment Yellow 34) Δ	1344-37-2	ND
30	丙烯酰胺 Acrylamide*	79-06-1	ND
31	三氯乙烯 Trichloroethylene (TCE) *	79-01-6	ND
32	硼酸 Boric acid Δ	10043-35-3, 11113-50-1	ND
33	无水四硼酸钠 Disodium tetraborate, Anhydrous Δ	1303-96-4, 1330-43-4, 12179-04-3	ND
34	水合四硼酸钠 Tetraboron disodium heptaoxide, hydrate Δ	12267-73-1	ND
35	铬酸钠 Sodium chromate Δ	7775-11-3	ND
36	铬酸钾 Potassium chromate Δ	7789-00-6	ND
37	重铬酸铵 Ammonium dichromate Δ	7789-09-5	ND
38	重铬酸钾 Potassium dichromate Δ	7778-50-9	ND
39	硫酸钴 Cobalt(II) sulphate Δ	10124-43-3	ND
40	硝酸钴 Cobalt(II) dinitrate Δ	10141-05-6	ND
41	碳酸钴 Cobalt(II) carbonate Δ	513-79-1	ND
42	醋酸钴 Cobalt(II) diacetate Δ	71-48-7	ND
43	乙二醇单甲醚 2-Methoxyethanol (ME) *	109-86-4	ND
44	乙二醇单乙醚 2-Ethoxyethanol (EE) *	110-80-5	ND
45	三氧化铬 Chromium trioxide Δ	1333-82-0	ND
46	铬酸与重铬酸低聚物 Oligomers of chromic acid and dichromic Acid Δ	7738-94-5, 13530-68-2	ND
47	铬酸锶 Strontium chromate Δ	7789-06-2	ND

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			01
48	乙二醇乙醚乙酸酯 2-ethoxyethyl acetate (EEA) *	111-15-9	ND
49	肼 Hydrazine	302-01-2, 7803-57-8	ND
50	1-甲基-2-吡咯烷酮 1-methyl-2-pyrrolidone (MP) *	872-50-4	ND
51	1,2,3-三氯丙烷 1,2,3-trichloropropane (TCP) *	96-18-4	ND
52	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 (DHNUP)	68515-42-4	ND
53	邻苯二甲酸二(C6-8 支链) 烷基酯, 富 C7 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) *	71888-89-6	ND
54	铬酸铬 Dichromium tris Δ	24613-89-6	ND
55	氢氧化铬酸锌钾 Potassium hydroxyoctaoxodi zincatedichromate Δ	11103-86-9	ND
56	锌黄(C.I.颜料黄 36) Pentazinc chromate octahydroxide Δ	49663-84-5	ND
57	甲醛苯胺共聚物 Formaldehyde, oligomeric reaction products with aniline *	25214-70-4	ND
58	邻苯二甲酸二甲氧乙酯 Bis(2-methoxyethyl) phthalate (DMEP) *	117-82-8	ND
59	邻甲氧基苯胺 2-Methoxyaniline (MA) *	90-04-0	ND
60	对特辛基苯酚 4-(1,1,3,3-tetramethylbutyl)phenol (4-tert-Octylphenol) *	140-66-9	ND
61	1,2-二氯乙烷 1,2-Dichloroethane (DCE) *	107-06-2	ND

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			01
62	乙二醇二甲醚 Bis(2-methoxy ethyl)ether (BMEE) *	111-96-6	ND
63	砷酸 Arsenic acid Δ	7778-39-4	ND
64	砷酸钙 Calcium arsenate Δ	7778-44-1	ND
65	砷酸铅 Trilead diarsenate Δ	3687-31-8	ND
66	N,N-二甲基乙酰胺 N,N-Dimethylacetamide (DMAC) *	127-19-5	ND
67	4,4'-亚甲基双-2-氯苯胺 2,2'-dichloro-4,4'-methylenedianiline (MOCA) *	101-14-4	ND
68	酚酞 Phenolphthalein *	77-09-8	ND
69	叠氮化铅 Lead azide Δ	13424-46-9	ND
70	2,4,6-三硝基苯二酚铅 Lead styphnate Δ	15245-44-0	ND
71	苦味酸铅 lead dipicrate Δ	6477-64-1	ND
72	三甘醇二甲醚 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglym) *	112-49-2	ND
73	乙二醇二甲醚 Ethylene glycol dimethyl ether (EGDME) *	110-71-4	ND
74	三氧化二硼 Diboron trioxide Δ	1303-86-2	ND
75	甲酰胺 Formamide*	75-12-7	ND
76	甲磺酸铅(II) Lead(II) bis(methanesulfonate) Δ	17570-76-2	ND
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	ND
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	ND

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			01
79	4,4'-双(二甲氨基)二苯酮(米氏酮) 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) *	90-94-8	ND
80	N,N,N',N'-四甲基-4,4'-二氨基二苯甲烷 (米氏碱) N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) *	101-61-1	ND
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	ND
82	结晶紫 [4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3) *	548-62-9	ND
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	ND
84	溶剂蓝4 α,α -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) *	6786-83-0	ND
85	颜料黄41 Pyrochlore, antimony lead yellow Δ	8012-00-8	ND
86	2-甲氧基-5-甲基苯胺 6-methoxy-m-toluidine (p-cresidine) *	120-71-8	ND
87	全氟十一烷酸 Henicosafuoroundecanoic acid	2058-94-8	ND

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			01
88	甲基六氢化邻苯二甲酸酐 (4-甲基六氢化邻苯二甲酸酐、1-甲基六氢化邻苯二甲酸酐、3-甲基六氢化邻苯二甲酸酐等系列同分异构体总和) 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] *	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	ND
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	ND
90	二丁基二氯化锡 Dibutyltin dichloride (DBTC) *	683-18-1	ND
91	氟硼酸铅 Lead bis(tetrafluoroborate) Δ	13814-96-5	ND
92	硝酸铅 Lead dinitrate Δ	10099-74-8	ND
93	硅酸铅 Silicic acid, lead salt Δ	11120-22-2	ND
94	对氨基偶氮苯 4-Aminoazobenzene*	60-09-3	ND
95	钛酸铅 Lead Titanium Zirconium Oxide Δ	12626-81-2	ND
96	氧化铅 Lead oxide (lead monoxide) Δ	1317-36-8	ND

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			01
97	邻甲基苯胺 o-Toluidine*	95-53-4	ND
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	ND
99	掺杂铅的硅酸钡 Silicic acid (H ₂ Si ₂ O 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] Δ	68784-75-8	ND
100	碱式碳酸铅 Trilead bis(carbonate)dihydroxide Δ	1319-46-6	ND
101	呋喃 Furan *	110-00-9	ND
102	N,N-二甲基甲酰胺 N,N-dimethylformamide*	68-12-2	ND
103	辛基酚聚醚-9, 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]	-	ND
104	分支或线性的壬基酚, 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]	-	ND

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			01
105	4,4'-二氨基-3,3'-二甲基二苯甲烷 4,4'-methylenedi-o-toluidine *	838-88-0	ND
106	硫酸二乙酯 Diethyl sulphate	64-67-5	ND
107	硫酸二甲酯 Dimethyl sulphate *	77-78-1	ND
108	碱式硫酸铅 Lead oxide sulfate Δ	12036-76-9	ND
109	钛酸铅 Lead titanium trioxide Δ	12060-00-3	ND
110	碱式乙酸铅 Acetic acid, lead salt, basic Δ	51404-69-4	ND
111	二盐基邻苯二甲酸铅 [Phthalato(2-)]dioxotrilead Δ	69011-06-9	ND
112	十溴二苯醚 Bis(pentabromophenyl)ether(DecaBDE) *	1163-19-5	ND
113	N-甲基乙酰胺 N-methylacetamide *	79-16-3	ND
114	地乐酚 Dinoseb (6-sec-butyl-2,4-dinitrophenol) *	88-85-7	ND
115	乙二醇二乙醚 1,2-Diethoxyethane *	629-14-1	ND
116	三碱式硫酸铅 Tetralead trioxide sulphate Δ	12202-17-4	ND
117	邻苯二甲酸正戊基异戊基酯 N-pentyl-isopentylphthalate *	776297-69-9	ND
118	双(十八酸基)氧代三铅 Dioxobis(stearato)trilead Δ	12578-12-0	ND
119	四乙基铅 Tetraethyllead Δ	78-00-2	ND
120	氧化铅与硫酸铅的复合物 Pentalead tetraoxide sulphate Δ	12065-90-6	ND
121	全氟十三酸 Pentacosafuorotridecanoic acid	72629-94-8	ND
122	全氟十二烷酸 Tricosafuorododecanoic acid	307-55-1	ND
123	全氟代十四酸 Heptacosafuorotetradecanoic acid	376-06-7	ND
124	溴代正丙烷 1-bromopropane (n-propyl bromide) *	106-94-5	ND

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序号 No.	高度关注物质 (SVHC) Substance of Very High Concern	CAS No.	SVHC 测试结果 Result (%)
			01
125	甲氧基乙酸 Methoxy acetic acid *	625-45-6	ND
126	2,4-二氨基甲苯 4-methyl-m-phenylenediamine (toluene-2,4-diamine) *	95-80-7	ND
127	环氧丙烷 Methyloxirane (Propylene oxide) *	75-56-9	ND
128	磷酸氧化铅 Trilead dioxide phosphonate Δ	12141-20-7	ND
129	邻氨基偶氮甲苯 o-aminoazotoluene *	97-56-3	ND
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	ND
131	4,4'-二氨基二苯醚 4,4'-oxydianiline and its salts *	101-80-4	ND
132	四氧化三铅 Orange lead (lead tetroxide) Δ	1314-41-6	ND
133	4-氨基联苯 Biphenyl-4-ylamine *	92-67-1	ND
134	邻苯二甲酸二异戊酯 Diisopentylphthalate (DIPP) *	605-50-5	ND
135	C16-18-脂肪酸铅盐 Fatty acids, C16-18, lead salts Δ	91031-62-8	ND
136	偶氮二甲酰胺 Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	ND
137	亚硫酸铅 (II) Sulfurous acid, lead salt, dibasic Δ	62229-08-7	ND
138	氨基氰铅盐 Lead cyanidate Δ	20837-86-9	ND
139	镉 Cadmium *	7440-73-9	ND
140	氧化镉 Cadmium oxide Δ*	1306-19-0	ND
141	全氟辛酸铵 Ammonium pentadecafluorooctanoate (APFO)	385-26-1	ND
142	全氟辛酸 Pentadecafluorooctanoic acid (PFOA)	335-67-1	ND
143	邻苯二甲酸二戊酯 Dipentyl phthalate (DPP) *	131-18-0	ND

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序号 No.	高度关注物质 (SVHC) Substance of Very High Concern	CAS No.	SVHC 测试结果 Result (%)
			01
144	乙氧基化的支链和直链的 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合在 4 位的乙氧基酚, 囊括了 UVCB 和定义明确的物质, 聚合物及同系物, 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]	--	ND
145	硫化镉 Cadmium sulphide Δ	1306-23-6	ND
146	邻苯二甲酸二己酯 Dihexyl phthalate *	84-75-3	ND
147	刚果红 Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	ND
148	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	ND
149	1,2-亚乙基硫脲 Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	ND
150	醋酸铅 Lead di(acetate) Δ	301-04-2	ND
151	磷酸三(二甲苯)酯 Trixylyl phosphate	25155-23-1	ND
152	邻苯二甲酸二异己酯 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	ND

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序号 No.	高度关注物质 (SVHC) Substance of Very High Concern	CAS No.	SVHC 测试结果 Result (%)
			01
153	氯化镉 Cadmium chloride Δ	10108-64-2	ND
154	水合高硼酸钠盐类 Sodium perborate; perboric acid, sodium salt Δ	-	ND
155	过硼酸钠 Sodium peroxometaborate Δ	7632-04-4	ND
156	紫外吸收剂 UV-320 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	ND
157	DOTE 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8 -oxa-3,5-dithia-4-stannatetradecanoate (DOTE) Δ	15571-58-1	ND
158	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 DOT E and MOTE) Δ	-	ND
159	紫外吸收剂 UV-328 2-(2H-benzotriazol-2-yl)-4,6 -ditertpentylphenol (UV-328)	25973-55-1	ND
160	氟化镉 Cadmium fluoride Δ	7790-79-6	ND
161	硫酸镉 Cadmium sulphate Δ	10124-36-4; 31119-53-6	ND

备注Remark:

- ND = 未检出 (小于报告检出限) Not Detected (less than Report Limit).
- 报告检出限 Report Limit = 0.01%.
- % = 百分比 percentage by weight.
- SVHC = 高度关注物质 Substance Of Very High Concern.

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- Δ = 依据目前可用的分析手段, 以上SVHC测试数值经相应的重金属或元素(如As, Cr⁶⁺, Pb, Al, Si, Zr, B/H₃BO₃, Co, Mo, Sr, Zn, Cd, Sn) 的浓度换算得出的;
According to currently available analytical techniques, Concentration of substance is converted from the concentration of specific heavy metal or inorganic element (As, Cr⁶⁺, Pb, Al, Si, Zr, B/H₃BO₃, Co, Mo, Sr, Zn, Cd, Sn).
- ※ = 带此标志的测试项目及砷(As)、六价铬(Cr⁶⁺)、铅(Pb)、钴(Co)、钼(Mo)、锶(Sr)获得 CNAS 认可。
The testing item marked with ※ and Arsenic (As), Hexavalent Chromium (Cr⁶⁺), Lead (Pb), Cobalt (Co), Molybdenum (Mo), Strontium (Sr) are accredited by the CNAS.
- * = 甲醛苯胺共聚物的含量是由4, 4'-二氨基二苯甲烷(4,4'-MDA)的浓度换算得出, 根据附件VI材料, 4,4'-MDA为甲醛苯胺共聚物的主要成分(47%~65%)之一;
Concentration of substance is converted from the concentration of 4,4'-diaminodiphenylmethane (4,4'-MDA). According to the Annex XV dossiers, 4,4'-MDA is a major constituent (47%~65%,w/w) of the UVCB substance formaldehyde, oligomeric reaction products with aniline.
- #1 六溴环十二烷及所有主要被检出的同分异构物:(α, β, γ- HBCDD);
Hexabromocyclododecane(HBCDD), and all major diastereoisomers identified:(α, β, γ- HBCDD).
- #2 氧化双三丁基锡浓度是以三丁基锡浓度换算所得;
Calculated concentration based on the identified tributyltin, TBT results.
- #3 测试项目含量根据多环苯芳香烃(PAHs), 芳香族碳氢化合物以及杂环化合物的总含量换算得出。每种物质及其成分比例参照提交至欧洲化学管理局(ECHA)的卷宗相应附件XV;
Calculated concentration based on the total concentration of the identified polyaromatic hydrocarbons (PAHs), aromatic hydrocarbons and heterocycles results. Identity and ratio of each substance shall refer to the respective Annex XV dossiers submitted to the ECHA.
- #4 硅酸铝耐火陶瓷纤维包含欧盟委员会条例(EC)No 1272/2008附件VI第3部分表格3.1中索引号为650-017-00-8的陶瓷纤维, 且满足以下3个条件:
Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008, and fulfil the three following conditions:
a) 三氧化二铝和二氧化硅为纤维中主要组成, 其含量不固定。
Al₂O₃ and SiO₂ are the main components present within variable concentration ranges.
b) 纤维的长度(加权平均几何直径)小于2倍的(6微米或以下尺寸的)标准几何误差。
Fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometers (µm).
c) 碱性氧化物和碱土氧化物 (Na₂O+K₂O+CaO+MgO+BaO) 含量小于或等于18% (以重量计)。
Alkaline oxide and alkali earth oxide(Na₂O+K₂O+CaO+MgO+BaO) content less or equal to 18%w/w.
- #5 锆硅酸铝耐火陶瓷纤维(Zr-RCF)包含欧盟委员会条例(EC)No 1272/2008附件VI第3部分表格3.1

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中索引号为650-017-00-8的陶瓷纤维, 且满足以下3个条件:

Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008, and fulfil the three following conditions:

a) 三氧化二铝、二氧化硅和二氧化锆为纤维中主要组成, 其含量不固定。

Al_2O_3 , SiO_2 and ZrO_2 , are the main components present within variable concentration Ranges

b) 纤维的长度(加权平均几何直径)小于2倍的(6微米或以下尺寸的)标准几何误差。

Fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometers (μm).

c) 碱性氧化物和碱土氧化物 ($Na_2O+K_2O+CaO+MgO+BaO$) 含量小于或等于 18% (以重量计)。

Alkaline oxide and alkali earth oxide ($Na_2O+K_2O+CaO+MgO+BaO$) content less or equal to 18%w/w.

注释 Note:

- 高度关注的物质 (SVHC) 被列为具有以下特性:

Substances of very high concern (SVHC) are classified as:

致癌、致基因突变以及生殖毒性 Carcinogenic, mutagenic or toxic to reproduction (CMR);

持久性、生物积累性与毒性 Persistent, bio-accumulative and toxic (PBT);

高持久性、高生物积累性 Very persistent and very bio-accumulative (vPvB);

- SVHC 建议列表受欧洲化学管理局(ECHA)评估并不断更新, 更多资讯请链接:

The SVHC proposed list is under evaluation by ECHA and may subject to change in the future.

More information please refer to:

http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp#download

- 按照 EC 1907/2006 法规, 若物品中的物质符合第 57 条款和第 59 条款第 2 段准则, 其进口或生产量超过每年 1 吨且在物品的浓度超过 0.1%(重量比), 所有物品生产商或进口商都应按照第 7 条款第 4 段准则向欧洲化学管理局通报;

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) of the Regulation, if (a) the substance is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance is present in those articles above a concentration of 0,1% weight by weight (w/w).

- 按照 EC 1907/2006 法规, 第 33 条款要求物品中的物质若符合第 57 条款和第 59 条款第 1 段准则, 物质浓度超过 0.1%(重量比)的物品供应商应向物品接收者提供充分的资讯, 以供安全使用, 至少包含物质名称。

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

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by 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, the name of that substance.

测试方法 Test method:

参考 Reference to

- 1). US EPA 3550C:2007 超声波萃取法以及 US EPA 8270D:2007, 使用气相色谱-质谱联用仪(GC-MS) 测定半挥发性有机物;
US EPA 3550C:2007 Ultrasonic extraction & US EPA 8270D:2007 Semivolatile organic compounds by gas Chromatography / mass Spectrometry (GC/MS).
- 2). US EPA 3540C:1996 索氏提取法以及 US EPA 8270D:2007, 使用气相色谱-质谱联用仪(GC-MS) 测定半挥发性有机物;
US EPA 3540C:1996 Soxhlet Extraction & US EPA 8270D:2007 Semivolatile organic compounds by gas chromatography/mass spectrometry (GC/MS).
- 3). US EPA 3060A:1996 碱液提取法以及 US EPA 7196A:1992, 使用比色法(UV-VIS)测定六价铬;
US EPA 3060A:1996 Alkaline Digestion for Hexavalent Chromium US EPA 7196A:1992 Chromium, Hexavalent (colorimetric) (UV-VIS Method).
- 4). ISO 3613:2000 锌、钙、铝锌合金, 锌铝合金的铬酸盐镀层-测试方法:有色铬酸盐中六价铬含量的测定;
ISO3613:2000 Chromate conversion coatings on zinc, calcium, aluminum-zinc alloys and zinc-aluminum alloys - Test methods: Determination of hexavalent chromium content of colored chromate coating (UV-VIS method).
- 5). US EPA 3052:1996 含硅有机基质材料的微波辅助酸消解法以及 US EPA 6010C:2007, 使用电感耦合等离子体发射光谱法测定元素含量;
US EPA 3052:1996 Microwave assisted acid digestion of siliceous and organically based matrices & US EPA 6010C:2007 Inductively Coupled Plasma-Atomic Emission Spectrometry (ICP-AES).
- 6). US EPA 3050B:1996 沉积物,淤泥,土壤的酸消解法以及 US EPA 6010C:2007 电感耦合等离子体发射光谱法;
US EPA 3050B:1996 acid digestion of sediments, sludges, and soils & US EPA 6010C:2007 Inductively Coupled Plasma-Atomic Emission Spectrometry (ICP-AES).
- 7). 实验室内方法用水萃取测试硼酸的浓度;
In-house method for testing boron compounds by water extraction.
- 8). 实验室内方法使用比色法(UV-VIS)测定肼;
In-house method for testing hydrazine by UV- VIS method.

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- 9). US EPA 8260C:2006 顶空气相色谱法, 顶空气相色谱-质谱联用仪(HS-GC-MS)测定挥发性有机物。
US EPA 8260C:2006 Head-Space GC method, Volatile organic compounds by Head-Space gas Chromatography / mass Spectrometry (HS/GC/MS).
- 10). EN 14362-1:2012 纺织品-某些源自于偶氮染料的芳香胺的检测方法-第一部分:
纺织品中可萃取或不可萃取偶氮染料的测定;
EN 14362-1:2012 Textiles – Methods for the determination of certain aromatic amines derived from Azo colorants- Part 1: Detection of the use of certain Azo colorants accessible with and without Extracting the fibers.
- 11). US EPA 3550C(2007) & EPA 8321B(2007), 使用高效液相色谱仪(HPLC) 测定。
US EPA 3550C(2007) & EPA 8321B(2007), determined by High Performance Liquid Chromatography (HPLC)
- 12). US EPA 3550C(2007) & EPA 8321B(2007), 使用液相色谱-质谱联用仪(LC-MS) 测定;
US EPA 3550C(2007) & EPA 8321B(2007), determined by Liquid Chromatography-Mass Spectrometer (LC-MS).
- 13). BS EN 14582:2007, 卤素和硫含量-在封闭系统的氧燃和测定方法。
BS EN 14582-2007 Halogen and sulfur content-Oxygen combustion in closed systems and determination methods.
- 14). ISO 17353:2005, 使用气相色谱-质谱联用仪(GC-MS) 测定;
ISO 17353:2005, determined by Gas Chromatographic-Mass Spectrometric (GC-MS).
- 15). 蒸馏法, 使用气相色谱-质谱联用仪(GC-MS) 测定;
Distillation method, determined by Gas Chromatographic-Mass Spectrometric (GC-MS).
- 16). ZEK 01.4-08, 使用气相色谱-质谱联用仪(GC-MS) 测定;
ZEK 01.4-08, determined by Gas Chromatographic-Mass Spectrometric (GC-MS).
- 17). US EPA 3550C:2007& US EPA 8260C:2006, 使用顶空气相色谱-质谱联用仪(HS-GC-MS)测定。
US EPA 3550C:2007& US EPA 8260C:2006, determined by Head-Space gas Chromatography / mass Spectrometry (HS/GC/MS).

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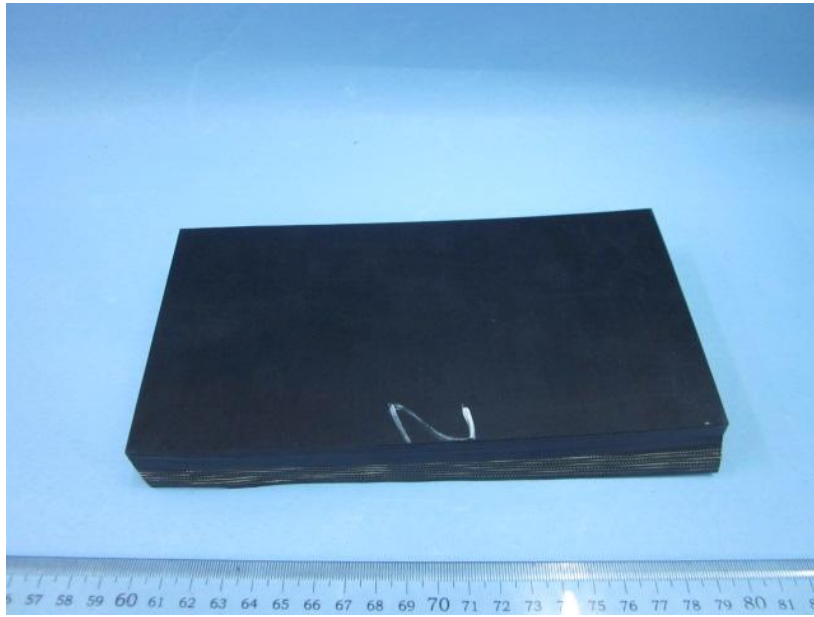
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2 测试部位描述 TESTED COMPONENTS

01 黑色塑胶 Black plastic

样品图片
Photo of the sample





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