

TEST REPORT

Report No.: 2506S56431A

Date: May 14, 2025

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Xiamen ARTES Plasti products Co.,Ltd.

厦门市艾踏塑胶制品有限公司

NO.1-2 Linhou Community, Zhaihou Village, Dongfu Town, Haicang District, Xiamen,China,361026

厦门市海沧区东孚镇林后社区1-2号

Report on the submitted samples said to be:

委托检测的样品及申请者对样品的说明如下：

Sample Name:	Pvc floor mat
样品名称：	PVC 地垫
Sample Receiving Date:	April 29,2025
收样日期:	2025 年 04 月 29 日
Testing Period:	April 29,2025 - May 14,2025
测试周期:	2025 年 04 月 29 日 - 2025 年 05 月 14 日
Result:	Please refer to next page(s).
测试结果:	请参见后续页。

Signed for and on behalf of BACL (BACL 授权签名)

Checked by:
审核:

Mila 潘惠珍

Mila Pan-潘惠珍

Approved by:
核准:

Fedor 张成

Fedor Zhang-张成

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Summary of Test Result:

测试结果概要:

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测试要求

A. Two hundred and forty-seven (247) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before January 21, 2025 regarding Regulation (EC) No 1907/2006 concerning the REACH

依据欧盟REACH法规(EC)号1907/2006, 测试欧洲化学品管理局于2025年1月21日及之前公布的247种高度关注物质 (SVHC) 的含量

CONCLUSION

结论

See Remark
见备注

Remark : According to the specified scope and analytical technique, concentrations of all 247 SVHC are <0.1% in the submitted sample(s)

备注 : 根据指定的范围和分析方法进行测试, 所委托样品中的所有247种高度关注物质(247SVHC)含量均<0.1%, 此结果符合REACH关于247种高度关注物质含量的限制要求

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Result:

测试结果:

Tested part(s):

测试部位:

(1) Black plastic(pvc floor mat)

黑色塑料-pvc 地垫

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依据欧盟REACH法规(EC)号1907/2006, 测试欧洲化学品管理局于2025年1月21日及之前公布的247种高度关注物质 (SVHC) 的含量

Test Method: With reference to in- house method, Analysis is performed by ICP-AES, UV-VIS, IC, GC-MS, Headspace GC-MS, LC-MS/MS, HPLC-TS-MS.

测试方法: 参照倍科内部实验方法, 采用电感耦合等离子体发射光谱仪 (ICP-AES), 紫外 - 可见分光光度计 (UV-Vis), 离子色谱仪 (IC), 气相色谱质谱联用仪 (GC-MS), 顶空进样气相色谱质谱联用仪 (Headspace GC-MS), 高效液相色谱-质谱联用仪 (HPLC/MS), 高效液相色谱-热喷雾-质谱 (HPLC-TS-MS) 进行分析。

Item 项目	Unit 单位	RL	Result 测试结果
			(1)
All Tested 247 SVHC in the Candidate 所有候选清单中的247种SVHC	%	/	N.D.

Full list of tested SVHC:
所有测试的SVHC全部清单:

No. 序号	Item 项目	CAS No.	EC No.	Unit 单位	RL	Category 种类
1	Anthracene(ANT) 蒽	120-12-7	204-371-1	%	0.010	PBT
2	4,4' -diaminodiphenylmethane (9#) 4,4'-二氨基二苯甲烷	101-77-9	202-974-4	%	0.010	CMR
3	Dibutyl Phthalate(DBP) 邻苯二甲酸二丁酯	84-74-2	201-557-4	%	0.010	CMR
4	Cobalt Dichloride(CoCl2)* 二氯化钴	7646-79-9	231-589-4	%	0.010	CMR
5	Diarsenic Pentaoxide(As2O5)* 五氧化二砷	1303-28-2	215-116-9	%	0.010	CMR
6	Diarsenic Trioxide(As2O3)* 三氧化二砷	1327-53-3	215-481-4	%	0.010	CMR
7	Sodium Dichromate, Dihydrate* 重铬酸钠及二水化合物	7789-12-0; 10588-01-9	234-190-3	%	0.010	CMR
8	5-tert-butyl-2,4,6-trinitro-m- xylene(musk xylene) 2,4,6-三硝基-3,3-二甲基-5-叔 丁基苯(二甲苯麝香)	81-15-2	201-329-4	%	0.010	vPvB

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No. 序号	Item 项目	CAS No.	EC No.	Unit 单位	RL	Category 种类
9	Bis-(2-ethylhexyl) Phthalate (DEHP) 邻苯二甲酸二(2-乙基)己酯	117-81-7	204-211-0	%	0.010	Equivalent level of concern having probable serious effects to the environment (Article 57 f); Toxic for reproduction (article 57c) 具有相同毒性的物质; 生殖毒性.
10	Hexabromocyclododecane (HBCDD) 六溴环十二烷	25637-99-4 & 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)	247-148-4; 221-695-9	%	0.010	PBT
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCP) 短链型C10-13氯化石蜡	85535-84-8	287-476-5	%	0.010	PBT
12	Bis(tributyltin)oxide (TBTO)** 氧化三丁锡 (TBTO)	56-35-9	200-268-0	%	0.010	PBT
13	Lead Hydrogen Arsenate* 砷酸氢铅	7784-40-9	232-064-2	%	0.010	CMR
14	Benzyl Butyl Phthalate (BBP) 邻苯二甲酸丁基苄基酯	85-68-7	201-622-7	%	0.010	CMR
15	Triethyl Arsenate* 三乙基砷酸酯	15606-95-8	427-700-2	%	0.010	CMR
16	Anthracene oil*** 蒽油	90640-80-5	292-602-7	%	0.010	PBT
17	Anthracene oil, anthracene paste, distn. lights*** 蒽油, 蒽糊, 轻油	91995-17-4	295-278-5	%	0.010	PBT
18	Anthracene oil, anthracene paste, anthracene fraction*** 蒽油, 蒽糊, 蒽馏分	91995-15-2	295-275-9	%	0.010	PBT
19	Anthracene oil, Anthracene-low*** 蒽油, 含蒽量少	90640-82-7	292-604-8	%	0.010	PBT
20	Anthracene oil, anthracene paste*** 蒽油, 蒽糊	90640-81-6	292-603-2	%	0.010	PBT
21	Diisobutyl phthalate (DIBP) 邻苯二甲酸二异丁酯	84-69-5	201-553-2	%	0.010	CMR
22	2,4-Dinitrotoluene 2,4-二硝基甲苯	121-14-2	204-450-0	%	0.010	CMR
23	coal tar pitch, high temperature*** 高温煤焦油沥青	65996-93-2	266-028-2	%	0.010	PBT

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No. 序号	Item 项目	CAS No.	EC No.	Unit 单位	RL	Category 种类
24	tris(2-chloroethyl)phosphate 磷酸三(2-氯乙基)酯	115-96-8	204-118-5	%	0.010	CMR
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34) 铬酸铅(C.I.颜料黄34)	1344-37-2	215-693-7	%	0.010	CMR
26	C.I.Pigment Red 104 钼铬红(C.I.颜料红104)	12656-85-8	235-759-9	%	0.010	CMR
27	Lead chromate: chrome yellow 铬酸铅(铬黄)	7758-97-6	231-846-0	%	0.010	CMR
28	Acrylamide 丙烯酰胺	79-06-1	201-173-7	%	0.010	CMR
29	Trichloroethylene 三氯乙烯	79-01-6	201-167-4	%	0.010	CMR
30	Boric acid 硼酸	10043-35-3; 11113-50-1	233-139-2; 234- 343-4	%	0.010	CMR
31	Disodium tetraborate, anhydrous* 无水四硼酸二钠	1330-43-4;12179- 04-3;1303-96-4	215-540-4	%	0.010	CMR
32	Tetraboron disodium heptaoxide, hydrate* 水合七氧四硼酸二钠	12267-73-1	235-541-3	%	0.010	CMR
33	Sodium chromate* 铬酸钠	7775-11-3	231-889-5	%	0.010	CMR
34	Potassium chromate* 铬酸钾	7789-00-6	232-140-5	%	0.010	CMR
35	Ammonium dichromate* 重铬酸铵	7789-09-5	232-143-1	%	0.010	CMR
36	Potassium dichromate* 重铬酸钾	7778-50-9	231-906-6	%	0.010	CMR
37	Cobalt(II) sulfate* 硫酸钴	10124-43-3	233-334-2	%	0.010	CMR
38	Cobalt(II) dinitrate* 硝酸钴	10141-05-6	233-402-1	%	0.010	CMR
39	Cobalt(II) carbonate* 碳酸钴	513-79-1	208-169-4	%	0.010	CMR
40	Cobalt(II) diacetate* 醋酸钴	71-48-7	200-755-8	%	0.010	CMR
41	2-Methoxyethanol 乙二醇甲醚	109-86-4	203-713-7	%	0.010	CMR
42	2-Ethoxyethanol 乙二醇乙醚	110-80-5	203-804-1	%	0.010	CMR
43	Chromium trioxide* 三氧化铬	1333-82-0	215-607-8	%	0.010	CMR

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No. 序号	Item 项目	CAS No.	EC No.	Unit 单位	RL	Category 种类
44	Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid* 三氧化二铬及其低聚物产生的酸：铬酸二铬酸，铬酸及二铬酸的低聚物	7738-94-5; 13530-68-2	231-801-5;236-881-5	%	0.010	CMR
45	2-Ethoxyethyl acetate 乙二醇乙醚醋酸酯	111-15-9	203-839-2	%	0.010	CMR
46	strontium chromate* 铬酸锶	7789-06-2	232-142-6	%	0.010	CRM
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters(DHNUP) 1,2-苯二酸-二(C7-11 支链与直链)烷基(醇)酯	68515-42-4	271-084-6	%	0.010	CMR
48	Hydrazine 肼	7803-57-8; 302-01-2	206-114-9	%	0.010	CMR
49	1-methyl-2-pyrrolidone(NMP) N-甲基吡咯烷酮	872-50-4	212-828-1	%	0.010	CMR
50	1,2,3-Trichloropropane 1, 2, 3-三氯丙烷	96-18-4	202-486-1	%	0.010	CMR
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich(DIHP) 1,2-苯二羧酸-二(C6-8 支链)烷基酯(富C7)	71888-89-6	276-158-1	%	0.010	CMR
52	Zirconia Aluminosilicate Refractory Ceramic Fibres**** 氧化锆硅酸铝耐火陶瓷纤维	---	---	%	0.010	CMR
53	Calcium arsenate* 砷酸钙	7778-44-1	231-904-5	%	0.010	CMR
54	Bis(2-methoxy ethyl)ether 二乙二醇二甲醚	111-96-6	203-924-4	%	0.010	CMR
55	Aluminosilicate Refractory Ceramic Fibres(RCF)**** 硅酸铝耐火陶瓷纤维	---	---	%	0.010	CMR
56	Potassium hydroxyoctaoxodizincatedichromate* 氢氧化铬酸锌钾	11103-86-9	234-329-8	%	0.010	CMR
57	Lead dipicrate 苦味酸铅	6477-64-1	229-335-2	%	0.010	CMR
58	N,N-Dimethylacetamide N,N-二甲基乙酰胺	127-19-5	204-826-4	%	0.010	CMR

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No. 序号	Item 项目	CAS No.	EC No.	Unit 单位	RL	Category 种类
59	Arsenic acid 砷酸, 原砷酸	7778-39-4	231-901-9	%	0.010	CMR
60	o-anisidine(21#) 邻氨基苯甲醚	90-04-0	201-963-1	%	0.010	CMR
61	Trilead diarsenate* 砷酸铅	3687-31-8	222-979-5	%	0.010	CMR
62	1,2-Dichloroethane 1,2-二氯乙烷	107-06-2	203-458-1	%	0.010	CMR
63	Pentazinc chromate octahydroxide 锌黄	49663-84-5	256-418-0	%	0.010	CMR
64	4-(1,1,3,3-tetramethylbutyl) phenol 4-叔辛基苯酚	140-66-9	205-426-2	%	0.010	Equivalent level of concern having probable serious effects to the environment 具有相同毒性的物质
65	Formaldehyde, oligomeric reaction products with aniline 甲醛与苯胺的聚合物	25214-70-4	500-036-1	%	0.010	CMR
66	Bis(2-methoxyethyl) Phthalate (DMEP) 双(2-甲氧基乙基)邻苯二甲酸酯	117-82-8	204-212-6	%	0.010	CMR
67	Lead diazide, Lead azide* 叠氮化铅	13424-46-9	236-542-1	%	0.010	CMR
68	Lead styphnate* 2,4,6-三硝基苯二酚铅	15245-44-0	239-290-0	%	0.010	CMR
69	2,2'-dichloro-4,4'- methylenedianiline 4,4'-亚甲基双-2-氯苯胺	101-14-4	202-918-9	%	0.010	CMR
70	Phenolphthalein 酚酞	77-09-8	201-004-7	%	0.010	CMR
71	Dichromium tris(chromate)* 铬酸铬	24613-89-6	246-356-2	%	0.010	CMR
72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme) 三甘醇二甲醚	112-49-2	203-977-3	%	0.010	CMR
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether(EGDME) 1,2-二甲氧基乙烷	110-71-4	203-794-9	%	0.010	CMR
74	Diboron trioxide* 三氧化二硼	1303-86-2	215-125-8	%	0.010	CMR
75	Formamide(FMA) 甲酰胺	75-12-7	200-842-0	%	0.010	CMR
76	Lead(II) bis(methanesulfonate)* 甲磺酸铅(II)溶液	17570-76-2	401-750-5	%	0.010	CMR

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No. 序号	Item 项目	CAS No.	EC No.	Unit 单位	RL	Category 种类
77	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) 异氰尿酸三缩水甘油酯	2451-62-9	219-514-3	%	0.010	CMR
78	β -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) 替罗昔隆	59653-74-6	423-400-0	%	0.010	CMR
79	4,4'-Bis(dimethylamino)benzophenone(Michler's ketone) 4,4-四甲基二胺二苯酮	90-94-8	202-027-5	%	0.010	CMR
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) 4,4-亚甲基双(N,N-二甲基苯胺)	101-61-1	202-959-2	%	0.010	CMR
81	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3)***** 结晶紫	548-62-9	208-953-6	%	0.010	CMR
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)***** 碱性蓝26	2580-56-5	219-943-6	%	0.010	CMR
83	α,α -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol(C.I. Solvent Blue 4)***** 溶剂蓝4	6786-83-0	229-851-8	%	0.010	CMR
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol***** 4,4'-二(二甲基氨基)-4''-(甲基氨基)三苯甲醇	561-41-1	209-218-2	%	0.010	CMR
85	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE) 十溴二苯醚	1163-19-5	214-604-9	%	0.010	PBT (Article 57 d) vPvB (Article 57 e) 持久性、生物累积性、毒性 (条款 57d) 高持久性和高生物累积性 (条款 57e)

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No. 序号	Item 项目	CAS No.	EC No.	Unit 单位	RL	Category 种类
86	Pentacosafluorotridecanoic acid(PFTrDA) 全氟十三烷酸	72629-94-8	276-745-2	%	0.010	vPvB
87	Tricosafafluorododecanoic acid (PFDoA) 全氟十二烷酸	307-55-1	206-203-2	%	0.010	vPvB(Article 57e) 高持久性和高生物累积性 (条款 57e)
88	Henicosafafluoroundecanoic acid 全氟十一烷酸	2058-94-8	218-165-4	%	0.010	vPvB
89	Heptacosafafluorotetradecanoic acid 全氟代十四酸	376-06-7	206-803-4	%	0.010	vPvB
90	4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues 对特辛基苯酚乙氧基醚, 包括物质。UVCB物质。聚合物和同系物	---	---	%	0.010	Equivalent level of concern having probable serious effects to the environment 具有相同毒性的物质
91	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 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)	---	---	%	0.010	Endocrine disrupting properties (Article 57 (f)-environment) 内分泌干扰性 (条款 57(f)-环境)
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) 偶氮二甲酰胺	123-77-3	204-650-8	%	0.010	Equivalent level of concern having probable serious effects to the environment 具有相同毒性的物质

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No. 序号	Item 项目	CAS No.	EC No.	Unit 单位	RL	Category 种类
93	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 六氢邻苯二甲酸酐、六氢-1, 3-异苯并咪喃二酮、反-1, 2-环己烷二羧酸酐	85-42-7; 13149-00-3; 14166-21-3	201-604-9;236-086-3;238-009-9	%	0.010	Equivalent level of concern having probable serious effects to the environment 具有相同毒性的物质
94	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride 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，包括这4种物质左旋。右旋单体以及相应物质所有左。右旋的组合	25550-51-0; 19438-60-9; 48122-14-1; 57110-29-9	247-094-1;243-072-0;256-356-4;260-566-1	%	0.010	Equivalent level of concern having probable serious effects to the environment 具有相同毒性的物质
95	Methoxyacetic acid 甲氧基乙酸	625-45-6	210-894-6	%	0.010	CMR
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear(DPIP) 1,2-苯二酸-二(支链与直链)戊基酯	84777-06-0	284-032-2	%	0.010	CMR
97	Diisopentyl phthalate(DIPP) 邻苯二甲酸二异戊酯	605-50-5	210-088-4	%	0.010	CMR
98	n-pentyl-isopentyl phthalate (PIPP) 邻苯二甲酸正戊基异戊基酯	776297-69-9	---	%	0.010	CMR
99	1,2-Diethoxyethane 乙二醇二乙醚	629-14-1	211-076-1	%	0.010	CMR
100	N,N-dimethylformamide (DMFA) N,N-二甲基甲酰胺	68-12-2	200-679-5	%	0.010	CMR
101	Dibutyltin dichloride(DBTC) 二丁基锡	683-18-1	211-670-0	%	0.010	CMR
102	Acetic acid, lead salt, basic* 乙酸铅	51404-69-4	257-175-3	%	0.010	CMR

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No. 序号	Item 项目	CAS No.	EC No.	Unit 单位	RL	Category 种类
103	Trilead bis(carbonate) dihydroxide* 碱式碳酸铅	1319-46-6	215-290-6	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性 (条款57c)
104	Lead oxide sulfate (basic lead sulfate)* 碱式硫酸铅	12036-76-9	234-853-7	%	0.010	CMR
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)* 二盐基邻苯二甲酸铅	69011-06-9	273-688-5	%	0.010	CMR
106	Dioxobis(stearato)trilead* 双(十八酸基)二氧化三铅	12578-12-0	235-702-8	%	0.010	CMR
107	Fatty acids, C16-18, lead salts* 脂肪酸铅盐	91031-62-8	292-966-7	%	0.010	CMR
108	Lead bis(tetrafluoroborate)* 四氟硼酸铅	13814-96-5	237-486-0	%	0.010	CMR
109	Lead cyanamide* 氨基氰铅(2+)盐(1:1)	20837-86-9	244-073-9	%	0.010	CMR
110	Lead dinitrate* 硝酸铅	10099-74-8	233-245-9	%	0.010	CMR
111	Lead oxide (lead monoxide)* 黄丹	1317-36-8	215-267-0	%	0.010	CMR
112	Lead tetroxide (orange lead)* 四氧化三铅	1314-41-6	215-235-6	%	0.010	CMR
113	Lead titanium trioxide* 钛酸铅	12060-00-3	235-038-9	%	0.010	CMR
114	Lead Titanium Zirconium Oxide* 钛酸铅锆	12626-81-2	235-727-4	%	0.010	CMR
115	Pentalead tetraoxide sulphate* 氧化铅与硫酸铅的复合物	12065-90-6	235-067-7	%	0.010	CMR
116	Pyrochlore, antimony lead yellow* 颜料黄41	8012-00-8	232-382-1	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性 (条款57c)

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117	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] * 含有铅的硅酸和钡盐1:1的物质 [铅 (Pb) 含量高于 "生殖毒性" Repr.1A (CLP) 或类别1 (DSD) 的适用通用浓度限值, 该物质属于第1272/2008号法规 (EC) 中索引号为082-001-00-6的铅化合物组条目的成员]	68784-75-8	272-271-5	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性 (条款57c)
118	Silicic acid, lead salt* 硅酸铅	11120-22-2	234-363-3	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性 (条款57c)
119	Sulfurous acid, lead salt, dibasic* 二碱式亚硫酸铅	62229-08-7	263-467-1	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性 (条款57c)
120	Tetraethyllead* 四乙基铅	78-00-2	201-075-4	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性 (条款57c)
121	Tetralead trioxide sulphate* 三盐基硫酸铅	12202-17-4	235-380-9	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性 (条款57c)
122	Trilead dioxide phosphonate* 二碱式亚磷酸铅	12141-20-7	235-252-2	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性 (条款57c)
123	Furan 呋喃	110-00-9	203-727-3	%	0.010	CMR
124	Propylene oxide; 1,2-epoxypropane; methyloxirane 环氧丙烷	75-56-9	200-879-2	%	0.010	CMR
125	Diethyl sulfate 硫酸二乙酯	64-67-5	200-589-6	%	0.010	CMR
126	Dimethyl sulfate 硫酸二甲酯	77-78-1	201-058-1	%	0.010	CMR

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127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine 3-乙基-2-甲基-2-(3-甲基丁基)噁唑烷	143860-04-2	421-150-7	%	0.010	CMR
128	Dinoseb 二硝丁酚	88-85-7	201-861-7	%	0.010	CMR
129	4,4'-methylenedi-o-toluidine 4,4'-亚甲基二甲苯胺	838-88-0	212-658-8	%	0.010	CMR
130	4,4'-oxydianiline and its salts 4,4'-二氨基二苯醚	101-80-4	202-977-0	%	0.010	CMR
131	4-Aminoazobenzene; 4-Phenylazoaniline 4-氨基苯甲酯	60-09-3	200-453-6	%	0.010	CMR
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine) 2,4-二氨基甲苯	95-80-7	202-453-1	%	0.010	CMR
133	6-methoxy-m-toluidine (p-cresidine) 2-甲氧基-5-甲基苯胺	120-71-8	204-419-1	%	0.010	CMR
134	Biphenyl-4-ylamine 4-氨基联苯	92-67-1	202-177-1	%	0.010	CMR
135	o-aminoazotoluene 邻氨基偶氮甲苯	97-56-3	202-591-2	%	0.010	CMR
136	o-Toluidine 邻甲苯胺	95-53-4	202-429-0	%	0.010	CMR
137	N-Methylacetamide N-甲基乙酰胺	79-16-3	201-182-6	%	0.010	CMR
138	1-bromopropane; n-propyl bromide 溴代正丙烷	106-94-5	203-445-0	%	0.010	CMR
139	Cadmium(Cd) 镉	7440-43-9	231-152-8	%	0.010	Carcinogenic (Article 57a)/Specific target organ toxicity after repeated exposure (Article 57(f) - human health) 致癌 (条款57a)/重复暴露后的特定目标器官毒性 (条款 57(f) - 人类健康)
140	Cadmium oxide* 氧化镉	1306-19-0	215-146-2	%	0.010	Carcinogenic (Article 57a)/Specific target organ toxicity after repeated exposure (Article 57(f) - human health) 致癌 (条款57a)/重复暴露后的特定目标器官毒性 (条款 57(f) - 人类健康)

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No. 序号	Item 项目	CAS No.	EC No.	Unit 单位	RL	Category 种类
141	Ammonium pentadecafluorooctanoate (APFO) 十五代氟辛酸铵盐	3825-26-1	223-320-4	%	0.010	Toxic for reproduction (Article 57c)/PBT(Article 57d) 生殖毒性 (条款57c) /持久性、生物累积性、毒性 (条款 57d)
142	Pentadecafluorooctanoic acid (PFOA) 全氟辛酸	335-67-1	206-397-9	%	0.010	Toxic for reproduction (Article 57c)/PBT(Article 57d) 生殖毒性 (条款57c) /持久性、生物累积性、毒性 (条款 57d)
143	Dipentyl phthalate(DPP) 邻苯二甲酸二戊酯	131-18-0	205-017-9	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性 (条款57c)
144	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] 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)	---	---	%	0.010	Endocrine disrupting properties (Article 57 (f)-environment) 内分泌干扰性 (条款 57(f)-环境)
145	Cadmium sulphide* 硫化镉	1306-23-6	215-147-8	%	0.010	Carcinogenic (Article 57a)/Specific target organ toxicity after repeated exposure (Article 57(f) - human health) 致癌 (条款57a)/重复暴露后的特定目标器官毒性 (条款 57(f) - 人类健康)
146	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) 直接黑38	1937-37-7	217-710-3	%	0.010	Carcinogenic(Article 57a) 致癌 (条款 57a)
147	Dihexyl phthalate 邻苯二甲酸二正己酯	84-75-3	201-559-5	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性 (条款57c)

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148	Imidazolidine-2-thione(2-imidazoline-2-thiol) 2-巯基咪唑啉	96-45-7	202-506-9	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性 (条款57c)
149	Trixylyl phosphate(TXP) 磷酸三(二甲苯)酯	25155-23-1	246-677-8	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性 (条款57c)
150	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) 直接红28	573-58-0	209-358-4	%	0.010	Carcinogenic(Article 57a) 致癌 (条款 57a)
151	Lead di(acetate)* 乙酸铅	301-04-2	206-104-4	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性 (条款57c)
152	Sodium peroxometaborate* 过硼酸钠	7632-04-4	231-556-4	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性(条款57c)
153	Cadmium chloride* 氯化镉	10108-64-2	233-296-7	%	0.010	Carcinogenic (Article 57a)/Mutagenic (Article 57b)/Toxic for reproduction (Article 57c)/Specific target organ toxicity after repeated exposure (Article 57(f) - human health) 致癌 (条款57a)/致突变 (条款 57b) / 生殖毒性 (条款57c) /重复暴露后的特定目标器官毒性 (条款 57(f) – 人类健康)
154	1,2-Benzenedicarboxylic Acid, dihexyl ester, branched and linear(DHxP) 1,2-苯二甲酸二己酯(支链和直链)	68515-50-4	271-093-5	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性 (条款57c)
155	Sodium perborate; perboric acid, sodium salt* 过硼酸钠	---	---	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性(条款57c)
156	Cadmium fluoride* 氟化镉	7790-79-6	232-222-0	%	0.010	Carcinogenic (Article 57a)/Mutagenic (Article 57b)/Toxic for reproduction (Article 57c)/Specific target organ toxicity after repeated exposure (Article 57(f) - human health) 致癌 (条款57a)/致突变 (条款 57b) / 生殖毒性(条款57c)/重复暴露后的特定目标器官毒性(条款 57(f) – 人类健康)

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157	Cadmium sulphate* 硫酸镉	10124-36-4; 31119-53-6	233-331-6	%	0.010	Carcinogenic (Article 57a)/Mutagenic (Article 57b)/Toxic for reproduction (Article 57c)/Specific target organ toxicity after repeated exposure (Article 57(f) - human health) 致癌 (条款57a)/致突变 (条款 57b)/生殖毒性(条款57c)/重复暴露后的特定目标器官毒性(条款 57(f) – 人类健康)
158	2-benzotriazol-2-yl-4, 6-di-tert-butylphenol(UV-320) 紫外线吸收剂	3846-71-7	223-346-6	%	0.010	PBT (Article 57d)/vPvB (Article 57e) 持久性、生物累积性、毒性 (条款 57d) /高持久性和高生物累积性 (条款57e)
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol(UV-328) 紫外线吸收剂	25973-55-1	247-384-8	%	0.010	PBT (Article 57d)/vPvB (Article 57e) 持久性、生物累积性、毒性 (条款 57d) /高持久性和高生物累积性 (条款57e)
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate(DOTE) 二正辛基-双-(巯乙酸-2-乙基己酯)锡	15571-58-1	239-622-4	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性(条款57c)
161	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) DOTE和MOTE反应产物	---	---	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性(条款57c)

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162	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) 邻苯二甲酸二 (C6-C10) 烷基酯 : 邻苯二甲酸 (癸基 , 己基 , 辛基) 酯与邻苯二甲酸的复合物且邻苯二甲酸二己酯含量 $\geq 0.3\%$ (EC No. 201-559-5)	---	---	%	0.010	Toxic for reproduction (Article 57 c) 生殖毒性(条款57c)
163	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] [1]为卡拉花醛, [2]为卡拉花醛的一种同分异构化合物	---	---	%	0.010	vPvB(Article 57e) 高持久性和高生物累积性 (条款 57e)
164	Nitrobenzene 硝基苯	98-95-3	202-716-0	%	0.010	Toxic for reproduction (Article 57 c) 生殖毒性(条款57c)
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) 2,4-二-叔丁基-6-(5-氯代苯并三唑-2-基)苯酚	3864-99-1	223-383-8	%	0.010	vPvB (Article 57 e) 高持久性和高生物累积性 (条款 57e)
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol(UV-350) 2-(2H-苯并三唑-2-基)-4-(叔丁基)-6-(仲丁基)苯酚	36437-37-3	253-037-1	%	0.010	vPvB (Article 57 e) 高持久性和高生物累积性 (条款 57e)
167	1,3-Propanesultone 1,3-丙烷磺内酯	1120-71-4	214-317-9	%	0.010	Carcinogenic(Article 57 a) 致癌 (条款 57a)
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts 全氟壬酸及其钠盐和铵盐	---	---	%	0.010	Toxic for reproduction (Article 57 c) /PBT (Article 57 d) 生殖毒性(条款57c)/持久性、生物累积性、毒性 (条款57d)

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169	Benzo[a]pyrene(BaP) 苯并[a]芘	50-32-8	200-028-5	%	0.010	Carcinogenic (Article 57 a) /Mutagenic (Article 57 b) /Toxic for reproduction (Article 57 c) /PBT (Article 57 d)/ vPvB (Article 57 e) 致癌 (条款 57a) /致畸性 (条款 57 b) /生殖毒性(条款75c)/持久性、生物累积性、毒性 (条款57d) /高持久性和高生物累积性 (条款57e)
170	p-(1,1-dimethylpropyl)phenol (PTAP) 对(1,1-二甲基丙基)苯酚	80-46-6	201-280-9	%	0.010	Endocrine disrupting properties (Article 57(f) - environment) 内分泌干扰性 (条款 57(f)-环境)
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts 十九氟癸酸 (PFDA) 及其钠盐和铵盐	---	---	%	0.010	Toxic for reproduction (Article 57c) PBT (Article 57d) 生殖毒性(条款57c) 持久性、生物累积性、毒性 (条款 57d)
172	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] 分支和线性的对庚基苯酚	---	---	%	0.010	Endocrine disrupting properties (Article 57(f) - environment) 内分泌干扰性 (条款 57(f)-环境)
173	4,4' -isopropylidenediphenol (bisphenol A)(BPA) 双酚A	80-05-7	201-245-8	%	0.010	Toxic for reproduction (Article 57c) /Endocrine disrupting properties (Article 57(f) - environment) /Endocrine disrupting properties (Article 57 (f) - human health) 生殖毒性 (条款57c) /内分泌干扰性 (条款 57(f)-环境) /内分泌干扰性 (条款 57(f)-人类健康)
174	Perfluorohexane-1-sulphonic acid and its salts(PFHxS) 全氟己基磺酸及其盐类	---	---	%	0.010	vPvB (Article 57e) 高持久性和高生物累积性 (条款 57e)

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175	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 (4-HPbl) 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]	---	---	%	0.010	Endocrine disrupting properties (Article 57(f) – environment) 内分泌干扰性 (条款 57(f)-环境)
176	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo [12.2.1.1 , .0 ² , ¹³ .0 ⁵ , ¹]octadeca 7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof 德克隆[包括所有反式和顺式异构体及其组合]	---	---	%	0.010	vPvB (Article 57 e) 高持久性和高生物累积性 (条款 57e)
177	Chrysene(CHR) 屈	218-01-9	205-923-4	%	0.010	Carcinogenic (Article 57 a) PBT (Article 57 d) vPvB (Article 57 e) 致癌 (条款 57a) 持久性、生物累积性、毒性 (条款 57d) 高持久性和高生物累积性 (条款 57e)
178	Cadmium nitrate* 硝酸镉	10325-94-7	233-710-6	%	0.010	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) 致癌 (条款 57a) 致突变 (条款 57b) 重复暴露后的特定目标器官毒性 (条款 57(f) – 人类健康)
179	Cadmium hydroxide* 氢氧化镉	21041-95-2	244-168-5	%	0.010	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) 致癌 (条款 57a) 致突变 (条款 57b) 重复暴露后的特定目标器官毒性 (条款 57(f) – 人类健康)

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180	Cadmium carbonate* 碳酸镉	513-78-0	208-168-9	%	0.010	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) 致癌 (条款57a) 致突变 (条款 57b) 重复暴露后的特定目标器官毒性 (条款 57(f) - 人类健康)
181	Benzo[a]anthracene(BaA) 苯并[a]蒽	56-55-3	200-280-6	%	0.010	Carcinogenic (Article 57 a) PBT (Article 57 d) vPvB (Article 57 e) 致癌 (条款 57a) 持久性、生物累积性、毒性 (条款 57d) 高持久性和高生物累积性 (条款 57e)
182	Terphenyl, hydrogenated 氢化三联苯	61788-32-7	262-967-7	%	0.010	vPvB (Article 57 e) 高持久性和高生物累积性 (条款 57e)
183	Octamethylcyclotetrasiloxane (D4) 八甲基环四硅氧烷	556-67-2	209-136-7	%	0.010	PBT (Article 57 d) vPvB (Article 57 e) 持久性、生物累积性、毒性 (条款 57d) 高持久性和高生物累积性 (条款 57e)
184	Lead(Pb) 铅	7439-92-1	231-100-4	%	0.010	Toxic for reproduction (Article 57 c) 生殖毒性 (条款57c)
185	Ethylenediamine(EDA) 乙二胺	107-15-3	203-468-6	%	0.010	Respiratory sensitising properties (Article 57 (f)-human health) 呼吸致敏特性(第57条f)-人类健康
186	Dodecamethylcyclohexasiloxane(D6) 十二甲基环己硅氧烷	540-97-6	208-762-8	%	0.010	PBT (Article 57 d);vPvB (Article 57 e) 持久性、生物累积性、毒性 (条款 57d) 高持久性和高生物累积性 (条款57e)
187	Disodium octaborate 氧化硼钠	12008-41-2	234-541-0	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性(条款57c)
188	Dicyclohexyl Phthalate(DCHP) 邻苯二甲酸二环己酯	84-61-7	201-545-9	%	0.010	Toxic for reproduction (Article 57 c) Endocrine disrupting properties (Article 57(f)-human health) 生殖毒性 (条款57c) ; 内分泌干扰性 (条款 57(f)-人类健康)

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189	Decamethylcyclopentasiloxane (D5) 十甲基环戊硅氧烷	541-02-6	208-764-9	%	0.010	PBT (Article 57 d) vPvB (Article 57 e) 持久性、生物累积性、毒性 (条款 57d) 高持久性和高生物累积性 (条款 57e)
190	Benzo[g,h,i]perylene (BPE) 苯并[g,h,i]花	191-24-2	205-883-8	%	0.010	PBT (Article 57 d) vPvB (Article 57 e) 持久性、生物累积性、毒性 (条款 57d) 高持久性和高生物累积性 (条款 57e)
191	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride(trimellitic anhydride)(TMA) 苯-1,2,4-三羧酸1,2-酐 (偏苯三酸酐)	552-30-7	209-008-0	%	0.010	Respiratory sensitising properties (Article 57 (f)-human health) 呼吸致敏特性(条款 57(f)-人类健康)
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane 2,2-双(4'-羟基苯基)-4-甲基戊烷	6807-17-6	401-720-1	%	0.010	Toxic for reproduction (Article 57 c) 生殖毒性 (条款 57c)
193	Benzo[k]fluoranthene (BkFA) 苯并[k]荧蒽	207-08-9	205-916-6	%	0.010	Carcinogenic(Article 57 a)PBT (Article 57 d)vPvB(Article 57 e) 致癌 (条款 57a) 持久性、生物累积性、毒性 (条款 57d) 高持久性和高生物累积性 (条款 57e)
194	Fluoranthene (FLT) 荧蒽	206-44-0	205-912-4	%	0.010	PBT (Article 57 d) vPvB (Article 57 e) 持久性、生物累积性、毒性 (条款 57d) 高持久性和高生物累积性 (条款 57e)
195	Phenanthrene (PHE) 菲	85-01-8	201-581-5	%	0.010	vPvB (Article 57 e) 高持久性和高生物累积性 (条款 57e)
196	Pyrene (PYR) 芘	129-00-0	204-927-3	%	0.010	PBT (Article 57 d) vPvB (Article 57 e) 持久性、生物累积性、毒性 (条款 57d) 高持久性和高生物累积性 (条款 57e)
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo [2.2.1]heptan-2-one(3-benzylidene camphor)(3-BC) 1,7,7-三甲基-3-(苯亚甲基)双环 [2,2,1]庚-2-酮(3-亚苄基樟脑)	15087-24-8	239-139-9	%	0.010	Endocrine disrupting properties (Article 57 (f)-environment) 内分泌干扰性 (条款 57(f)-环境)

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198	2-Methoxyethyl Acetate 2-甲氧基乙酸乙酯	110-49-6	203-772-9	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性 (条款57c)
199	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP) 三(4-壬基苯基, 支链和直链)亚硝酸酯(TNPP), 含 $\geq 0.1\%$ (w/w)的4-壬基酚, 支链和直链(4-NP)	---	---	%	0.010	Endocrine disrupting properties (Article 57(f) – environment) 内分泌干扰物质 (条款57(f) - 对环境影响)
200	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) 2,3,3,3-四氟-2-(七氟丙氧基)丙酸及其盐和酰基卤化物(包括它们各自的异构体及其组合)	---	---	%	0.010	Equivalent level of concern having probable serious effects to the environment (Article 57(f) – environment) Equivalent level of concern having probable serious effects to human health (Article 57(f) – human health) 可对环境造成严重影响或同等程度 (第57f条) 可对人类健康产生严重影响或同等程度 (第57f条)
201	4-tert-Butylphenol(PTBP) 4-叔丁基苯酚	98-54-4	202-679-0	%	0.010	Endocrine disrupting properties (Article 57(f) – environment) 内分泌干扰物质 (条款57(f)- 对环境影响)
202	Diisohexyl phthalate(DIHxP) 邻苯二甲酸二异己酯	71850-09-4	276-090-2	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性(条款57c)
203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone 2-苄基-2-甲基氨基-1-(4-吗啉苯基)丁酮	119313-12-1	404-360-3	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性(条款57c)
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one 2-甲基-1-(4-甲硫基苯基)-2-吗啉基-1-丙酮	71868-10-5	400-600-6	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性(条款57c)

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205	Perfluorobutane sulfonic acid (PFBS) and its salts(PFBS) 全氟丁烷磺酸(PFBS)及其盐	--	--	%	0.010	Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) Equivalent level of concern having probable serious effects to human health (Article 57(f) – human health) 可对环境造成严重影响或同等程度的关注 (第57(f)条) 可对人类健康产生严重影响或同等程度的关注 (第57(f)条)
206	1-Vinylimidazole 1-乙烯基咪唑	1072-63-5	214-012-0	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性(条款57c)
207	2-Methylimidazole 2-甲基咪唑	693-98-1	211-765-7	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性(条款57c)
208	Dibutylbis(pentane-2,4-dionato -O,O')tin 二正丁基双(乙酰丙酮基)锡	22673-19-4	245-152-0	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性(条款57c)
209	Butyl 4-hydroxybenzoate (Butylparaben) 4-羟基苯甲酸丁酯	94-26-8	202-318-7	%	0.010	Endocrine disrupting properties - human health (Article 57(f) – human health) 内分泌干扰特性(条款57(f) – 人类健康)
210	Bis(2-(2-methoxyethoxy)ethyl) ether 双(2-(2-甲氧基乙氧基)乙基)醚(四乙二醇二甲醚)	143-24-8	205-594-7	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性(条款57c)
211	Dioctyltin dilaurate, stannane, dioctyl-, bis (cocoacyloxy) derivs., and any other stannane, dioctyl-, bis (fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety 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	--	--	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性(条款57c)

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No. 序号	Item 项目	CAS No.	EC No.	Unit 单位	RL	Category 种类
212	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) 对十二烷基苯酚及其异构体 (PDDP)	--	--	%	0.010	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health) 生殖毒性(条款57c) 内分泌干扰特性(第57(f)条-环境) 内分泌干扰特性(第57(f)条-人类健康)
213	orthoboric acid, sodium salt 原硼酸钠盐	--	--	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性(条款57c)
214	Medium-chain chlorinated paraffins (UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17) (MCCP) 中链氯化石蜡 (UVCB物质 : 由含 ≥80%的碳链长度C14至C17之间的直链氯化烷烃组成)	--	--	%	0.010	PBT (Article 57d) vPvB (Article 57e) 持久性、生物累积性及毒性(条款57d) 高持久性和高生物累积性(条款57e)
215	Glutaral 戊二醛	111-30-8	203-856-5	%	0.010	Respiratory sensitising properties (Article 57(f) - human health) 呼吸道敏化特性(第57(f)条-人类健康)
216	4,4'-(1-methylpropylidene) bisphenol 双酚B	77-40-7	201-025-1	%	0.010	Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health) 内分泌干扰特性(第57(f)条-环境) 内分泌干扰特性(第57(f)条-人类健康)
217	2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers 2-(4-叔丁基苄基)丙醛及其立体异构体	--	--	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性(条款57c)

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218	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) 二溴新戊二醇 (BMP) 三溴新戊醇(TBNPA) 2,3-二溴-1-丙醇 (2,3-DBPA)	3296-90-0/36483-57-5/1522-92-5/96-13-9	221-967-7/253-057-0/202-480-9	%	0.010	Carcinogenic (Article 57a) 致癌 (条款 57a)
219	1,4-dioxane 1, 4-二氧己环	123-91-1	204-661-8	%	0.010	Carcinogenic (Article 57a) Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) 致癌 (条款 57a) 可对人类健康产生严重影响或同等程度的关注 (第57(f)条) 可对环境造成严重影响或同等程度的关注 (第57(f)条)
220	6,6'-di-tert-butyl-2,2'-methylene-di-p-cresol(DBMC) 2,2'-亚甲基双(4-甲基-6-叔丁基苯)(DBMC)	119-47-1	204-327-1	%	0.010	Toxic for reproduction(Article 57 c) 生殖毒性(第57c款)
221	tris(2-methoxyethoxy) vinylsilane 乙烯基-三(2-甲氧基乙氧基)硅烷	1067-53-4	213-934-0	%	0.010	Toxic for reproduction(Article 57 c) 生殖毒性 (第57c款)
222	(±)-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) (±)-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)	--	--	%	0.010	Endocrine disrupting properties (Article 57(f) - human health) 内分泌干扰性(第57 f 款-对人类健康)

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No. 序号	Item 项目	CAS No.	EC No.	Unit 单位	RL	Category 种类
223	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 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	255881-94-8	401-850-9	%	0.010	PBT (Article 57 d) 持久性、生物累积性及毒性(PBT) (第57d款)
224	N-(hydroxymethyl)acrylamide N-羟甲基丙烯酰胺	924-42-5	213-103-2	%	0.010	Carcinogenic (Article 57a) Mutagenic (Article 57b) 致癌性 (第57a条) 致突变 (第57b条)
225	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 2,2,3,3,5,5,6,6-八氟-4-(1,1,1,2,3,3,3-七氟丙-2-基)吗啡和 2,2,3,3,5,5,6,6-八氟-4-(七氟丙基)吗啡的反应物料	--	473-390-7	%	0.010	vPvB (Article 57e) 高持久性和高生物累积性 (第57e款)
226	Perfluoroheptanoic acid and its salts 全氟庚酸及其盐	--	--	%	0.010	Toxic for reproduction (Article 57c); PBT (Article 57d); vPvB (Article 57e); Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health); Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) 生殖毒性 (第57c款) 持久性、生物累积性和毒性 (第57d款) 高持久性和高生物累积性 (第57e款) 内分泌干扰性 (第57f款 - 环境) 内分泌干扰性 (第57f款 - 对人类健康)

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227	Melamine 三聚氰胺	108-78-1	203-615-4	%	0.010	Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health); Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) 内分泌干扰性 (条款57(f) - 对人类健康) 内分泌干扰性 (条款57(f) - 对环境)
228	Isobutyl 4-hydroxybenzoate 4-羟基苯甲酸异丁酯	4247-02-3	224-208-8	%	0.010	Endocrine disrupting properties (Article 57(f) - human health) 内分泌干扰性 (第57f款 - 对人类健康)
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof 四溴邻苯二甲酸双(2-乙基己基)酯, 涵盖任何单个异构体和/或其组合	--	--	%	0.010	vPvB (Article 57e) 高持久性和高生物累积性 (第57e款)
230	Barium diboron tetraoxide 偏硼酸钡	13701-59-2	237-222-4	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性 (第57c款)
231	4,4'-sulphonyldiphenol 双酚S	80-09-1	201-250-5	%	0.010	Toxic for reproduction (Article 57c); Endocrine disrupting properties (Article 57(f) - environment); Endocrine disrupting properties (Article 57(f) - human health) 生殖毒性 (第57c款) 内分泌干扰性 (第57f款 - 环境) 内分泌干扰性 (第57f款 - 对人类健康)
232	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol 四溴双酚A	79-94-7	201-236-9	%	0.010	Carcinogenic (Article 57a) 致癌性 (第57a款)
233	1,1'-[ethane-1,2-diylbis(oxy)]bis [2,4,6-tribromobenzene] 1,2-双(2,4,6-三溴苯氧基)乙烷	37853-59-1	253-692-3	%	0.010	vPvB (Article 57e) 高持久性和高生物累积性 (第57e款)
234	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide(TPO) 二苯基(2,4,6-三甲基苯甲酰基)氧化磷	75980-60-8	278-355-8	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性 (第57c条)

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235	Bis(4-chlorophenyl) sulphone 4,4'-二氯二苯砜	80-07-9	201-247-9	%	0.010	vPvB (Article 57e) 高持久性和高生物累积性(第57e条)
236	2,4,6-tri-tert-butylphenol(2,4,6-TTBP) 2,4,6 三-叔丁基苯酚	732-26-3	211-989-5	%	0.010	Toxic for reproduction (Article 57c) PBT (Article 57d) 生殖毒性 (第57(c)条) ; 持久性, 生物累积性和毒性 (PBT) (第57(d)条) ;
237	2-(2H-BENZOTRIAZOL-2-YL)-4-(1,1,3,3-TETRAMETHYLBUTYL) PHENOL(UV-329) 2-(2'-羟基-5'-叔辛基苯基)苯并三唑	3147-75-9	221-573-5	%	0.010	vPvB (Article 57e) 强持久性强生物累积性 (vPvB) (第57(e)条)
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one(PI379) 光引发剂379	119344-86-4	438-340-0	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性 (第57(c)条)
239	Bumetrizole(UV-326) 紫外线吸收剂	3896-11-5	223-445-4	%	0.010	vPvB (Article 57e) 强持久性强生物累积性 (vPvB) (第57(e)条)
240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol 2-苯基丙烯与苯酚的低聚和烷基化反应产物	--	700-960-7	%	0.010	vPvB (Article 57e) 强持久性强生物累积性 (vPvB) (第57(e)条)
241	Bis(α,α-dimethylbenzyl) peroxide 双(α,α-二甲苄基)过氧化物	80-43-3	201-279-3	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性(条款57c)
242	Triphenyl phosphate(TPP) 磷酸三苯酯	115-86-6	204-112-2	%	0.010	Endocrine disrupting properties (Article 57(f) - environment) 内分泌干扰性 (条款 57(f)-环境)
243	Octamethyltrisiloxane 八甲基三硅氧烷	107-51-7	203-497-4	%	0.010	vPvB (Article 57e) 强持久性强生物累积性 (vPvB) (第57(e)条)
244	O,O,O-triphenyl phosphorothioate 三苯基硫代磷酸酯	597-82-0	209-909-9	%	0.010	PBT (Article 57d) 持久性, 生物累积性和毒性 (PBT) (第57(d)条)
245	reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives 三苯基硫代磷酸酯和叔丁基苯基衍生物的反应物	192268-65-8	421-820-9	%	0.010	PBT (Article 57d) 持久性, 生物累积性和毒性 (PBT) (第57(d)条)

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246	Perfluamine 全氟三丙胺	338-83-0	206-420-2	%	0.010	vPvB (Article 57e) 强持久性强生物累积性 (vPvB) (第57(e)条)
247	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid 6-[(C10-C13)-烷基-(支链,不饱和)-2,5-二氧代吡咯烷-1-基]己酸	2156592-54-8	701-118-1	%	0.010	Toxic for reproduction (Article 57c) 生殖毒性 (第57(c)条)

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Note:

- N.D. = Not Detected or less than RL
- RL = Report Limit
- % = Percentage by weight
- 0.1% = 1000mg/kg, mg/kg = ppm
- * = Calculated concentration of Cobalt Dichloride(CoCl₂) is based on the identified heavy metal and anion result. Calculated concentration of Diarsenic Pentaoxide(As₂O₅), Diarsenic Trioxide(As₂O₃), Sodium Dichromate, Dihydrate, Lead Hydrogen Arsenate and Triethyl Arsenate, Disodium tetraborate, anhydrous, Tetraboron disodium heptaoxide, hydrate, Sodium chromate, Potassium chromate, Ammonium dichromate, Potassium dichromate, Cobalt(II) sulfate, Cobalt(II) dinitrate, Cobalt(II) carbonate, Cobalt(II) diacetate, Chromium trioxide, Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid, strontium chromate, Calcium arsenate, Potassium hydroxyoctaoxodizincatedi-chromate, Lead dipicrate, Arsenic acid, Trilead diarsenate, Lead diazide, Lead azide, Lead styphnate, Dichromium tris(chromate), Diboron trioxide, Lead(II) bis(methanesulfonate), Acetic acid, lead salt, basic, Basic lead carbonate (trilead bis(carbonate)dihydroxide), Lead oxide sulfate (basic leadsulfate), [Phthalato(2-)]dioxotrilead (dibasic lead phthalate), Dioxobis(stearato)trilead, Fatty acids, C16-18, lead salts, Lead bis(tetrafluoroborate), Lead cyanamide, Lead dinitrate, Lead oxide (lead monoxide), Lead tetroxide (orange lead), Lead titanium trioxide, Lead Titanium Zirconium Oxide, Pentalead tetraoxide sulphate, Pyrochlore, antimony lead yellow C.I., Silicic acid (H₂Si₂O₅), 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], Silicic acid, lead salt, Sulfurous acid, lead salt, dibasic, Tetraethyllead, Tetralead trioxide sulphate, Trilead dioxide phosphonate, Cadmium oxide, Cadmium sulphide, Lead di(acetate), Sodium peroxometaborate, Cadmium chloride, Sodium perborate; perboric acid, sodium salt, Cadmium fluoride, Cadmium sulphate, Cadmium nitrate, Cadmium hydroxide, Cadmium carbonate are based on the identified heavy metal result. Identity of above metal substances present in the article has to be further confirmed.
- ** = Calculated concentration of bis(tributyltin)oxide TBTO is based on the identified tributyltin, TBT results. The result is a screening test of TBTO and can cover TBTO and other salts under current technologies. Further investigation is required if the exact amount of TBTO has to be determined.
- *** = Calculated concentration of these coal-tar products is based on the identified polycyclic aromatic hydrocarbons (PAHs) and heterocyclic compounds
- **** = Calculated concentration of these Aluminosilicate, Zirconia Aluminosilicate, Zirconia Aluminosilicate Refractory Ceramic Fibres, Aluminosilicate Refractory Ceramic Fibres is based on the identified aluminum and zirconium results by ICP-OES
- ***** = 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 ≥ 0.1% (weight / weight).
- Carcinogenic, Mutagenic or toxic to Reproduction (CMR), meeting the criteria for classification in category 1 or 2 in accordance with Directive 67/548/EEC, Persistent, Bioaccumulative and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB) according to the criteria in Annex of XIII of the REACH Regulation, and/or Identified, on a case-by-case basis, from scientific evidence as causing probable serious effects to human health or the environment of an equivalent level of concern as those above (e.g. endocrine disrupters)
- The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the list published by ECHA:
<https://echa.europa.eu/candidate-list-table>
- If a SVHC is found over the reporting limit, 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

注释:

- N.D. = 未检出或低于报告限
- RL = 报告限
- % = 重量百分比
- 0.1% = 1000mg/kg, mg/kg = ppm
- * = 二氧化钴 (CoCl₂)的结果由重金属元素和阴离子的测试结果换算得出。五氧化二砷 (As₂O₅)，三氧化二砷 (As₂O₃)，重铬酸钠及二水化合物，砷酸氢铅和三乙基砷酸盐，铬酸铅(C.I.颜料黄34)，钼铬红(C.I.颜料红104)，铬酸铅(铬黄)，无水四硼酸二钠,水合七氧四硼酸二钠, 铬酸钠, 铬酸钾, 重铬酸铵, 重铬酸钾, 硫酸钴, 硝酸钴, 碳酸钴, 醋酸钴, 三氧化铬, 三氧化二铬及其低聚物产生的酸：铬酸二铬酸，铬酸及二铬酸的低聚物, 铬酸铋, 砷酸钙, 氢氧化铬酸锌钾, 苦味酸铅, 砷酸。原砷酸, 砷酸铅, 叠氮化铅, 2,4,6-三硝基苯二酚铅, 铬酸铬, 三氧化二硼, 甲磺酸铅(II)溶液, 乙酸铅, 碱式碳酸铅, 碱式硫酸铅, 二盐基邻苯二甲酸铅, 双(十八烷基)二氧化三铅, C16-18-脂肪酸铅盐, 四氟硼酸铅, 氨基氟铅(2+)盐(1:1), 硝酸铅, 黄丹, 四氧化三铅, 钛酸铅, 钛酸铅锆, 氧化铅与硫酸铅的复合物, 颜料黄41, 含有铅的硅酸和钡盐1:1的物质 (铅的浓度在通用限制浓度之上而具有了生殖毒性该物质在CLP法规附

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件VI中的索引号为082-001-00-6), 硅酸铅, 二碱式亚硫酸铅, 四乙基铅, 三盐基硫酸铅, 二碱式亚磷酸铅, 氧化镉, 硫化镉, 乙酸铅, 过氧偏硼酸钠, 氯化镉, 过硼酸钠, 氟化镉, 硫酸镉, 硝酸镉, 氢氧化镉, 碳酸镉的结果由重金属元素的测试结果换算得出。判断样品中是否含有以上金属化合物需要进一步确认。

- ** = 氧化三丁基锡的结果由三丁基锡的测试结果换算得出。该结果为氧化三丁基锡的筛选结果, 包括氧化三丁基锡和其盐类。如果需确定氧化三丁基锡的确切含量, 则需要进一步确认。

- *** = 煤焦油类产品的结果由多环芳烃和杂环化合物测试结果换算得出。

- **** = 硅酸铝, 锆硅酸铝的结果由ICP-AES测得的铝和锆的测试结果算得出。判断样品中是否含有以上化合物还需要进一步确认。

- ***** = 此种物质列为SVHC, 是基于其含有的致癌成分米氏酮的重量比 $\geq 0.1\%$ 考虑的

- 物质属于致癌性, 致突变性, 繁殖毒性(CMR), 根据指令67/548/EEC第1类或第2类标准分类, 持久性。生物蓄积性及毒性物质(PBT)和高持久性。高生物蓄积性之物质(vPvB), 按照REACH法规附录中的第十三条辨别标准进行分类。这些分类标准有科学的数据证明该物质会对人的身体健康和环境危害有如上的影响(例如: 内分泌失调)。

- 本报告所涉及的关于高关注物质的化学分析是基于根据欧洲化学品管理署公布的候选清单, 利用现有的分析技术所完成的。具体参考 <https://echa.europa.eu/candidate-list-table>

- 如果样品中 SVHC 的测试结果超过检测限, 建议客户进一步定量分析检测含有 SVHC 的组分并且得到 SVHC 物质的准确浓度。

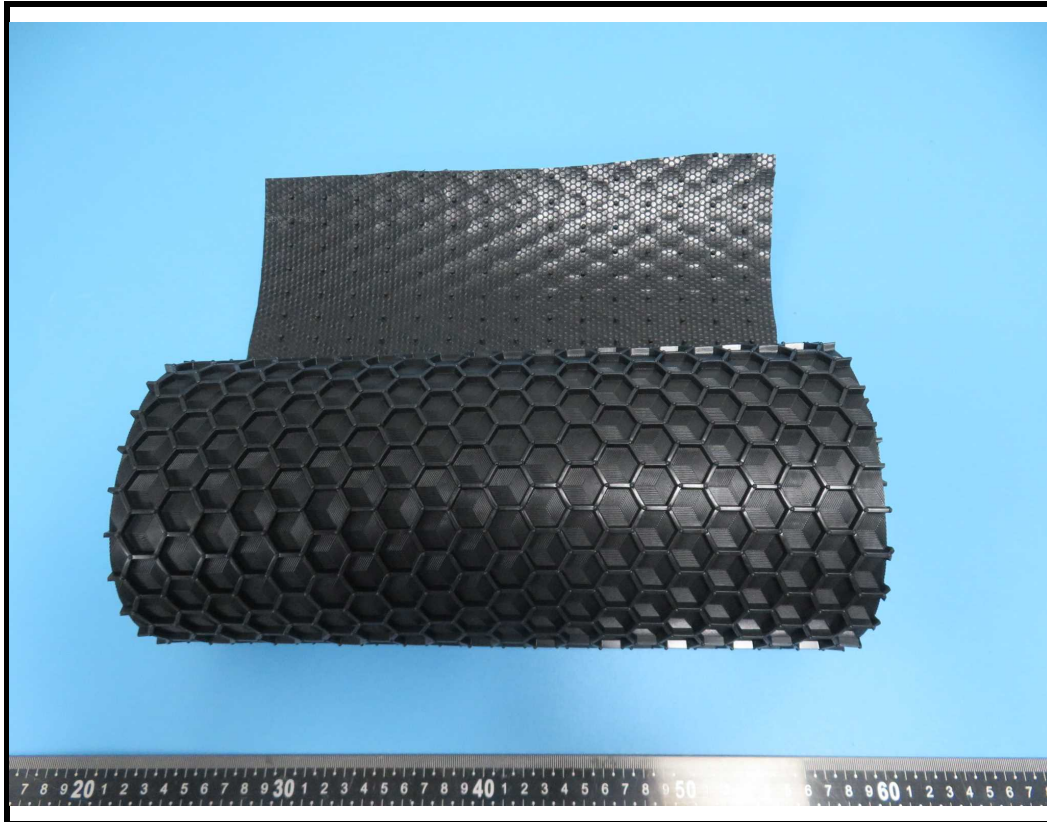
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Photograph of Sample
样品照片



BACL authenticate the photo on original report only
此图片仅限于随 BACL 正本报告使用

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 - 6.The test samples were in good condition before testing.
在进行测试前，测试样品已确认状态完好。
 - 7.The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.
本报告给出的扩展不确定度是由合成标准不确定度乘以包含概率约为95%时对应的包含因子k得到的。
 - 8.本报告中的数据结果用于学习、研究、内部质量控制、产品研发、科研，教学等目的。

*** End of Report ***

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