

测试报告

Test Report

报告编号: ATS251008013R

报告日期: 2025-10-13

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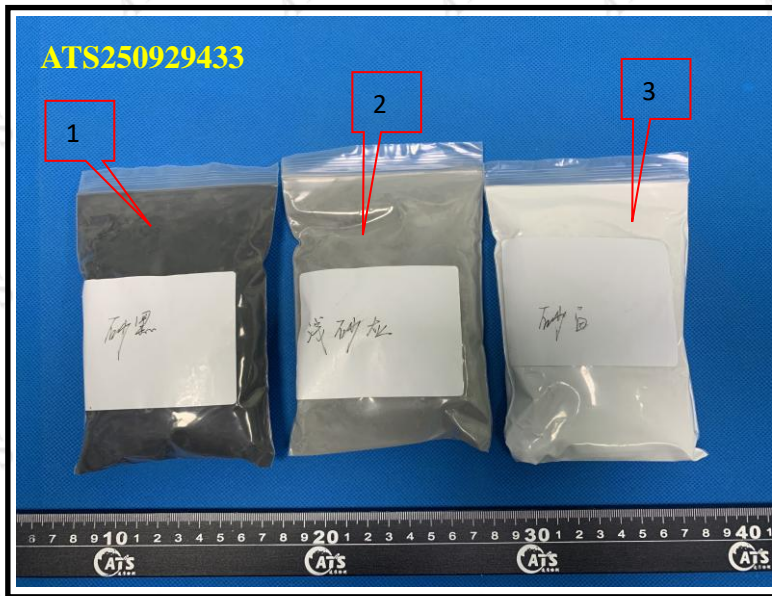
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样品照片

Photographs of Samples



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测试样品清单:

Specimen Description:

材料编号 No.	样品描述 Test sample	测试部位 Test Location	样品 ID Sample ID
1	黑色粉末 Black powder	本体 Body	ATS250929433
2	灰色粉末 Gray powder	本体 Body	
3	白色粉末 White powder	本体 Body	

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结果 Result(s):

(1) SVHC 候选清单中高度关注物质 Substances of Very High Concern (SVHC) content

测试方法: 实验室方法
Test Method: In-house method
测试仪器: 电感耦合等离子体发射光谱仪(ICP-OES)/ 紫外-可见光分光光度计(UV-VIS)/ 离子色谱仪(IC) 气相色谱-质谱联用仪(GC-MS) /高效液相色谱仪-二极管阵列检测器/(HPLC-DAD)
Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)/ Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) / Ultraviolet and visible spectrophotometer (UV-Vis)/ High Performance Liquid Chromatography-Diode-array detector (HPLC-DAD)/ Ion Chromatography (IC)

批次 Batch	物质名称 Substances name	CAS No.	单位 Unit	限值 Limit	测试结果 Result(s)
					1+2+3
--	候选清单中所有高度关注物质(SVHC) All tested SVHC in candidate list	--	%	0.1	N.D.

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250 项高度关注物质清单(SVHC)

Full list of SVHC

批次 Batch	No.	物质名称 Substances	CAS No.	RL(%)
I	1	4,4'-二氨基二苯甲烷 4,4'-Diaminodiphenylmethane(MDA)	101-77-9	0.01
I	2	二甲苯麝香 5-tert-butyl-2,4,6-trinitro-m-xylene	81-15-2	0.01
I	3	C10-13 短链氯化石蜡 Alkanes,C10-13,chloro(Short Chain Chlorinated Paraffins)	85535-84-8	0.01
I	4	蒽 Anthracene	120-12-7	0.01
I	5	邻苯二甲酸丁苄酯(BBP) Benzyl butyl phthalate (BBP)	85-68-7	0.01
I	6	邻苯二甲酸二(2-乙基己醇)酯(DEHP) Bis(2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	0.01
I	7	三丁基氧化锡(TBTO) Bis(tributyltin) oxide (TBTO)	56-35-9	0.01
I	8	二氯化钴* Cobalt dichloride *	7646-79-9	0.01
I	9	五氧化二砷* Diarsenic pentaoxide *	1303-28-2	0.01
I	10	三氧化二砷* Diarsenic trioxide *	1327-53-3	0.01
I	11	邻苯二甲酸二正丁酯(DBP) Dibutyl phthalate (DBP)	84-74-2	0.01
I	12	六溴环十二烷及其非对映异构体(HBCDD) Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified	-	0.01
I	13	砷酸氢铅* Lead hydrogen arsenate *	7784-40-9	0.01
I	14	二水(合)重铬酸钠* Sodium dichromate*	7789-12-0 10588-01-9	0.01
I	15	三乙基砷酸酯* Triethyl arsenate*	15606-95-8	0.01

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批次 Batch	No.	物质名称 Substances	CAS No.	RL(%)
II	16	2,4-二硝基甲苯 2,4-Dinitrotoluene	121-14-2	0.01
II	17	丙烯酰胺 Acrylamide	79-06-1	0.01
II	18	蒽油** Anthracene oil**	90640-80-5	0.01
II	19	蒽油, 蒽糊** Anthracene oil, anthracene paste**	90640-81-6	0.01
II	20	蒽油、蒽糊, 蒽馏分** Anthracene oil, anthracene paste, anthracene fraction**	91995-15-2	0.01
II	21	蒽油, 蒽糊, 轻油** Anthracene oil, anthracene paste, distn. lights**	91995-17-4	0.01
II	22	蒽油, 含量量少** Anthracene oil, anthracene-low**	90640-82-7	0.01
II	23	邻苯二甲酸二异丁酯(DIBP) Diisobutyl phthalate (DIBP)	84-69-5	0.01
II	24	铬酸铅* Lead chromate *	7758-97-6	0.01
II	25	钼铬红(C.I.颜料红 104)* Lead chromate molybdate sulphate red (C.I. Pigment Red 104) *	12656-85-8	0.01
II	26	铅铬黄(C.I.颜料黄 34)* Lead sulfochromate yellow (C.I. Pigment Yellow 34) *	1344-37-2	0.01
II	27	高温煤焦油沥青** Pitch, coal tar, high temp**	65996-93-2	0.01
II	28	磷酸三(2-氯乙基)酯 Tris(2-chloroethyl) phosphate	115-96-8	0.01
III	29	重铬酸铵* Ammonium dichromate *	7789-09-5	0.01
III	30	硼酸* Boric acid *	10043-35-3 11113-50-1	0.01
III	31	无水四硼酸钠* Disodium tetraborate, anhydrous *	1330-43-4 12179-04-3 1303-96-4	0.01

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III	32	铬酸钾* Potassium chromate *	7789-00-6	0.01
III	33	重铬酸钾* Potassium Dichromate *	7778-50-9	0.01
III	34	铬酸钠* Sodium chromate *	7775-11-3	0.01
III	35	七水合四硼酸钠* Tetraborate disodium heptaoxide,hydrous *	12267-73-1	0.01
III	36	三氯乙烯 Trichloroethylene	79-01-6	0.01
IV	37	乙二醇单乙醚 2-Ethoxyethanol	110-80-5	0.01
IV	38	乙二醇单甲醚 2-Methoxyethanol	109-86-4	0.01
IV	39	铬酸, 重铬酸及其低聚铬酸* Chromic acid,Dichromic acid Oligomers of chromic acid and dichromic acid*	-	0.01
IV	40	三氧化铬* Chromium trioxide*	1333-82-0	0.01
IV	41	碳酸钴(II)* Cobalt(II) carbonate *	513-79-1	0.01
IV	42	乙酸钴* Cobalt(II) diacetate *	71-48-7	0.01
IV	43	硝酸钴(II)* Cobalt(II) dinitrate *	10141-05-6	0.01
IV	44	硫酸钴(II)* Cobalt(II) sulphate *	10124-43-3	0.01
V	45	1,2,3-三氯丙烷 1,2,3-Trichloropropane	96-18-4	0.01
V	46	邻苯二甲酸二(C6-8 支链与直链)烷基酯, 富 C7 链(DIHP) 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	0.01

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V	47	邻苯二甲酸二(C7-11 支链与直链)烷基酯(DHNUP) 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	0.01
V	48	1-甲基-2-吡咯烷酮 1-methyl-2-pyrrolidone	872-50-4	0.01
V	49	乙二醇乙醚醋酸酯 2-Ethoxyethyl acetate	111-15-9	0.01
V	50	联胺 Hydrazine	7803-57-8; 302-01-2	0.01
V	51	铬酸锶* Strontium chromate*	7789-06-2	0.01
VI	52	1,2-二氯乙烷 1,2-Dichloroethane	107-06-2	0.01
VI	53	4,4'-二氨基-3,3'-二氯二苯甲烷(MOCA) 2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	0.01
VI	54	邻甲氧基苯胺 2-Methoxyaniline; o-Anisidine	90-04-0	0.01
VI	55	对特辛基苯酚 4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol)	140-66-9	0.01
VI	56	硅酸铝耐火陶瓷纤维* Aluminosilicate Refractory Ceramic Fibres(RCF) *	-	0.01
VI	57	砷酸、原砷酸* Arsenic acid*	7778-39-4	0.01
VI	58	二乙二醇二甲醚 Bis(2-methoxyethyl) ether	111-96-6	0.01
VI	59	邻苯二甲酸二甲氧乙酯 Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	0.01
VI	60	砷酸钙* Calcium arsenate*	7778-44-1	0.01
VI	61	铬酸铬* Dichromium tris(chromate) *	24613-89-6	0.01
VI	62	甲醛与苯胺的聚合物 Formaldehyde, oligomeric reaction products with anilin	25214-70-4	0.01

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VI	63	迭氮化铅* Lead diazide Lead azide*	13424-46-9	0.01
VI	64	苦味酸铅* Lead dipicrate*	6477-64-1	0.01
VI	65	2,4,6-三硝基苯二酚铅* Lead styphnate*	15245-44-0	0.01
VI	66	N,N-二甲基乙酰胺(DMAC) N,N-dimethylacetamide (DMAC)	127-19-5	0.01
VI	67	锌黄* Pentazinc chromate octahydroxide*	49663-84-5	0.01
VI	68	酚酞 Phenolphthalein	77-09-8	0.01
VI	69	氢氧化铬酸钾* Potassium hydroxyoctaoxidizincatedichromate *	11103-86-9	0.01
VI	70	砷酸铅* Trilead diarsenate*	3687-31-8	0.01
VI	71	氧化锆硅酸铝耐火陶瓷纤维* Zirconia Aluminosilicate Refractory Ceramic Fibres(Zr-RCF) *	-	0.01
VII	72	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) §	2580-56-5	0.01
VII	73	D. I.碱性紫 3 § [4-[4,4'-bis (dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) §	548-62-9	0.01
VII	74	三乙二醇二甲醚(TEGDME) 1,2-bis(2-methoxyethoxy)ethane(TEGDME; triglyme)	112-49-2	0.01
VII	75	乙二醇二甲醚(EGDME) 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.01
VII	76	4,4'-二(二甲氨基)二苯甲酮(米氏酮) 4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8	0.01
VII	77	4,4'-二(二甲氨基)-4''-甲氨基三苯甲醇 § 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol §	561-41-1	0.01

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VII	78	三氧化二硼* Diboron trioxide*	1303-86-2	0.01
VII	79	甲酰胺 Formamide	75-12-7	0.01
VII	80	甲基磺酸铅* Lead (II) bis (methanesulfonate)*	17570-76-2	0.01
VII	81	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'sbase)	101-61-1	0.01
VII	82	1,3,5-三(环氧乙基甲基)-1,3,5-三嗪-2,4,6-(1H, 3H,5H)-三 酮(TGIC) TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)- trione)	2451-62-9	0.01
VII	83	C. I.溶剂蓝 4 § α , α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1 -methanol (C.I. Solvent Blue 4) §	6786-83-0	0.01
VII	84	1,3,5-三-[(2S 和 2R)-2,3-环氧丙基]-1,3,5-三嗪-2,4,6-(1H, 3H,5H)-三 酮(β -TGIC). β -TGIC (1,3,5-tris[(2S and 2R)-2,3- epoxypropyl]-1,3,5-triazine-2,4,6- (1H,3H,5H)-trione)	59653-74-6	0.01
VIII	85	二盐基邻苯二甲酸铅* [Phthalato(2-)]dioxotrilead (dibasic lead phthalate)*	69011-06-9	0.01
VIII	86	支链和直链 1, 2-苯二羧二戊酯 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.01
VIII	87	乙二醇二乙醚 1,2-Diethoxyethane	629-14-1	0.01
VIII	88	1-溴丙烷 1-Bromopropane; n-propyl bromide	106-94-5	0.01
VIII	89	3-乙基-2-甲基-2-(3-甲基丁基)-1,3-恶唑烷 3-Ethyl-2-methyl-2-(3-methylbutyl)- 1,3-oxazolidine	143860-04-2	0.01
VIII	90	对特辛基苯酚乙氧基醚 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	0.01
VIII	91	4,4'-二氨基-3,3'-二甲基二苯甲烷 4,4'-Methylenedi-o-toluidine	838-88-0	0.01

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VIII	92	4,4'-二氨基二苯醚 4,4'-Oxydianiline and its salts	101-80-4	0.01
VIII	93	4-氨基偶氮苯 4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	0.01
VIII	94	2,4-二氨基甲苯 4-Methyl-m-phenylenediamine(2,4- toluene-diamine)	95-80-7	0.01
VIII	95	4-壬基(支链与直链)苯酚 4-Nonylphenol, branched and linear	-	0.01
VIII	96	2-甲氧基-5-甲基苯胺 6-Methoxy-m-toluidine (p- cresidine)	120-71-8	0.01
VIII	97	碱式乙酸铅* Acetic acid, lead salt, basic*	51404-69-4	0.01
VIII	98	4-氨基联苯 Biphenyl-4-ylamine	92-67-1	0.01
VIII	99	十溴联苯醚 Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.01
VIII	100	环己烷-1,2-二羧酸酐,顺式-环己烷-1,2-二羧酸酐,反式-环己烷-1,2-二羧酸酐. Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride .	-	0.01
VIII	101	偶氮二甲酰胺 Diazene-1,2-dicarboxamide(C,C'-azodi(formamide))	123-77-3	0.01
VIII	102	二丁基二氯化锡(DBTC) Dibutyltin dichloride (DBTC)	683-18-1	0.01
VIII	103	硫酸二乙酯 Diethyl sulphate	64-67-5	0.01
VIII	104	邻苯二甲酸二异戊酯 (DIPP) Diisopentylphthalate (DIPP)	605-50-5	0.01
VIII	105	硫酸二甲酯 Dimethyl sulphate	77-78-1	0.01
VIII	106	地乐酚 Dinoseb	88-85-7	0.01

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VIII	107	双(十八酸基)二氧代三铅* Dioxobis(stearato)trilead*	12578-12-0	0.01
VIII	108	C16-18 脂肪酸铅盐* Fatty acids, C16-18, lead salts*	91031-62-8	0.01
VIII	109	呋喃 Furan	110-00-9	0.01
VIII	110	全氟十一烷酸 Henicosaflluoroundecanoic acid	2058-94-8	0.01
VIII	111	全氟代十四酸 Heptacosaflluorotetradecanoic acid	376-06-7	0.01
VIII	112	甲基六氢邻苯二甲酸酐、 4-甲基六氢邻苯二甲酸酐、 1-甲基六氢邻苯二甲酸酐、 3-甲基六氢邻苯二甲酸酐 Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	-	0.01
VIII	113	氟硼酸铅* Lead bis(tetrafluoroborate)*	13814-96-5	0.01
VIII	114	氨基氰铅盐* Lead cyanamidate*	20837-86-9	0.01
VIII	115	硝酸铅* Lead dinitrate*	10099-74-8	0.01
VIII	116	氧化铅* Lead oxide (Lead monoxide)*	1317-36-8	0.01
VIII	117	碱式硫酸铅* Lead oxide sulfate (basic lead sulfate)*	12036-76-9	0.01
VIII	118	四氧化三铅* Lead tetroxide (orange lead)*	1314-41-6	0.01
VIII	119	钛酸铅* Lead titanium trioxide*	12060-00-3	0.01
VIII	120	钛酸铅锆* Lead Titanium Zirconium Oxide*	12626-81-2	0.01

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批次 Batch	No.	物质名称 Substances	CAS No.	RL(%)
VIII	121	甲氧基乙酸 Methoxy acetic acid	625-45-6	0.01
VIII	122	环氧丙烷 Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	0.01
VIII	123	N,N-二甲基甲酰胺 N,N-dimethylformamide; dimethylformamide	68-12-2	0.01
VIII	124	N-甲基乙酰胺 N-methylacetamide	79-16-3	0.01
VIII	125	邻苯二甲酸正戊基异戊基酯 N-pentyl-isopentylphthalate	776297-69-9	0.01
VIII	126	邻氨基偶氮甲苯 o-Aminoazotoluene	97-56-3	0.01
VIII	127	邻甲基苯胺 o-Toluidine; 2- Aminotoluene	95-53-4	0.01
VIII	128	全氟十三酸 Pentacosfluorotridecanoic acid	72629-94-8	0.01
VIII	129	氧化铅与硫酸铅的复合物* Pentalead tetraoxide sulphate*	12065-90-6	0.01
VIII	130	铅锑黄* Pyrochlore, antimony lead yellow*	8012-00-8	0.01
VIII	131	掺杂铅的硅酸钡* Silicic acid, barium salt, lead-doped*	68784-75-8	0.01
VIII	132	硅酸铅* Silicic acid, lead salt*	11120-22-2	0.01
VIII	133	氧化铅与硫化铅的复合物* Sulfurous acid, lead salt, dibasic*	62229-08-7	0.01
VIII	134	四乙基铅* Tetraethyllead*	78-00-2	0.01
VIII	135	三碱式硫酸铅* Tetralead trioxide sulphate*	12202-17-4	0.01
VIII	136	全氟十二烷酸 Tricosfluorododecanoic acid	307-55-1	0.01
VIII	137	碱式碳酸铅* Basic lead carbonate(trilead bis(carbonate)dihydroxide) *	1319-46-6	0.01

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VIII	138	二碱式亚磷酸铅* Trilead dioxide phosphonate*	12141-20-7	0.01
IX	139	4-壬基(支链与直链)苯酚乙氧基醚 4-Nonylphenol (branched and linear) ethoxy ether	-	0.01
IX	140	全氟辛酸铵(APFO)** Ammonium pentadecafluorooctanoate (APFO)**	3825-26-1	0.01
IX	141	氧化镉* Cadmium oxide*	1306-19-0	0.01
IX	142	镉 Cd*	7440-43-9	0.01
IX	143	邻苯二甲酸二正戊酯 (DPP) Dipentyl phthalate (DPP).	131-18-0	0.01
IX	144	全氟辛酸 (PFOA) Pentadecafluorooctanoic acid (PFOA) .	335-67-1	0.01
X	145	硫化镉* Cadmium sulphide*	1306-23-6	0.01
X	146	邻苯二甲酸二己酯(DHXP) Dihexyl phthalate	84-75-3	0.01
X	147	C.I.直接红 28 Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.01
X	148	C.I.直接黑 38 Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	0.01
X	149	亚乙基硫脲 Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	0.01
X	150	醋酸铅(II) * Lead di(acetate) *	301-04-2	0.01
X	151	磷酸三二甲苯酯 Trixylyl phosphate	25155-23-1	0.01
XI	152	邻苯二甲酸二己酯 (支链和直链) 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.01

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XI	153	氯化镉* Cadmium chloride*	10108-64-2	0.01
XI	154	过硼酸钠* Sodium perborate; perboric acid, sodium salt*	-	0.01
XI	155	过氧偏硼酸钠* Sodium peroxometaborate*	7632-04-4	0.01
XII	156	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-ditertpentylphenol (UV-328)	25973-55-1	0.01
XII	157	2-苯并三唑-2-基-4,6-二叔丁基苯酚(UV-320) 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.01
XII	158	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-stannatetradecanoate; DOTE	15571-58-1	0.01
XII	159	二正辛基-双(巯乙酸 2-乙基己酯)锡与甲基锡三(巯基乙酸异辛酯)的反应物 (DOTE 和 MOTE 反应物) Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	0.01
XII	160	硫酸镉* Cadmium fluoride*	7790-79-6	0.01
XII	161	氟化镉* Cadmium sulphate*	10124-36-4; 31119-53-6	0.01
XIII	162	1,2-苯二羧酸二, 碳-C6-10-烷基酯; (癸基, 己基, 辛基) 酯与 1, 2-邻苯二甲酸的复合物且邻苯二甲酸二己酯含量 ≥ 0.3% 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyldiesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5, 68648-93-1	0.01

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XIII	163	5-仲丁基-丁基-2-(2,4-二甲基环己胺-3-乙二胺-1-基)-5-甲基-1,3-二氧乙烷 [1], 5-仲丁基-丁基-2-(4,6-二甲基环己胺-3-乙二胺-1-基)-5-甲基-1,3-二氧乙烷 [2] (这两种物质的异构体以及它们的混合物) 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	-	0.01
XIV	164	1,3-丙烷磺内酯 Nitrobenzene	98-95-3	0.01
XIV	165	2,4-二-叔丁基-6-(5-氯-2H-苯并三唑-2-基)苯酚(UV-327) 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	0.01
XIV	166	2-(2'-羟基-3'-异丁基-5'-叔丁基基苯)苯并三唑(UV-350) 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	0.01
XIV	167	1,3-丙烷磺内酯 1,3-propanesultone	1120-71-4	0.01
XIV	168	全氟壬酸及其钠盐和铵盐 Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	0.01
XV	169	苯并[a]芘 Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.01
XVI	170	双酚 A 4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	0.01
XVI	171	4-庚基(支链与直链)苯酚 4-heptylphenol, branched and linear (4-HPbl)	-	0.01
XVI	172	全氟癸酸(PFDA)及其钠盐和铵盐 Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	-	0.01
XVI	173	对叔戊基苯酚 p-(1,1-dimethylpropyl)phenol (PTAP)	80-46-6	0.01
XVII	174	全氟己烷-1-磺酸及其盐 Perfluorohexane-1-sulphonic acid and its salts(PFHXS)	-	0.01
XVIII	175	双(六氯环戊二烯)环辛烷(包含任何顺式与反式同分异构体或其组合) Chrysene	-	0.01

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XVIII	176	苯并蒽 (BaA) Benz[a]anthracene	56-55-3	0.01
XVIII	177	硝酸镉* Cadmium nitrate *	10325-94-7	0.01
XVIII	178	氢氧化镉* Cadmium hydroxide *	21041-95-2	0.01
XVIII	179	碳酸镉* Cadmium carbonate *	513-78-0	0.01
XVIII	180	屈(CHR) Dechlorane Plus(TM)	218-01-9	0.01
XVIII	181	2,5-二巯基噻二唑, 甲醛和 4-庚基苯酚反应产物, 支链或直链 (RP-HP) [4-庚基苯酚≥0.1% w/w, 支链或直链] Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	0.01
XIX	182	八甲基环四硅氧烷(D4) Octamethylcyclotetrasiloxane (D4)	556-67-2	0.01
XIX	183	十甲基环戊硅氧烷(D5) Decamethylcyclopentasiloxane (D5)	541-02-6	0.01
XIX	184	十二甲基环己硅氧烷(D6) Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.01
XIX	185	铅* Lead*	7439-92-1	0.01
XIX	186	氧化硼钠* Disodium octaborate*	12008-41-2	0.01
XIX	187	苯并[G,H,I]芘 Benzo[ghi]perylene	191-24-2	0.01
XIX	188	氢化三联苯 Terphenyl hydrogenated	61788-32-7	0.01
XIX	189	乙二胺(EDA) Ethylenediamine (EDA)	107-15-3	0.01
XIX	190	苯-1,2,4-三羧酸-1,2-酐(偏苯三酸酐)(TMA) Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.01

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批次 Batch	No.	物质名称 Substances	CAS No.	RL(%)
XIX	191	邻苯二甲酸二环己酯(DCHP) Dicyclohexyl phthalate (DCHP)	84-61-7	0.01
XX	192	芘 Pyrene	129-00-0	0.01
XX	193	菲 Phenanthrene	85-01-8	0.01
XX	194	荧蒽 Fluoranthene	206-44-0	0.01
XX	195	苯并[k]荧蒽 Benzo[k]fluoranthene	207-08-9	0.01
XX	196	2,2-双(4'-羟基苯基)-4-甲基戊烷 2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.01
XX	197	1,7,7-三甲基-3-(苯基亚甲基)双环[2.2.1]庚烷-2-酮 1,7,7-trimethyl-3-(phenylmethyl)enebicyclo[2.2.1]heptan-2-one	15087-24-8	0.01
XXI	198	2,3,3,3-四氟-2-(七氟丙氧基)丙酸及其盐和酰基卤化物(包括单体 和组合)(HFPO-DA) 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	-	0.01
XXI	199	2-甲氧基乙基乙酸酯 2-methoxyethyl acetate	110-49-6	0.01
XXI	200	4-叔丁基苯酚(PTBP) Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with \geq 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	0.01
XXI	201	三(4-壬基苯基, 支链和直链)亚磷酸酯(TNPP)(含 \geq 0.1%的支链和 直链 4-壬基苯酚) 4-tert-butylphenol	98-54-4	0.01
XXII	202	2-苄基-2-二甲基氨基-4'-吗啉基苯基丁酮 2-Benzyl-2-(dimethylamino)-4'-morpholinobutyrophenone	119313-12-1	0.01
XXII	203	2-甲基-1-(4-甲硫基苯基)-2-吗啉基-1-丙酮 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.01
XXII	204	邻苯二甲酸二异己酯 Diisohexyl phthalate	71850-09-4	0.01
XXII	205	全氟丁烷磺酸及其盐 Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.01

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XXIII	206	1-乙烯基咪唑 1-vinylimidazole	1072-63-5	0.01
XXIII	207	2-甲基咪唑 2-methylimidazole	693-98-1	0.01
XXIII	208	对羟基苯甲酸丁酯 Butyl4-hydroxybenzoate	94-26-8	0.01
XXIII	209	双(乙酰丙酮基)二丁基锡** Dibutylbis(pentane-2,4-dionato-O,O')tin**	22673-19-4	0.01
XXIV	210	四乙二醇二甲醚 Bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	0.01
XXIV	211	二月桂酸二辛基锡及任何其他二辛基锡双(脂肪酰氧基)衍生物** Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety**	-	0.01
XXV	212	1,4-二氧六环 (二恶烷) 1,4-dioxane	123-91-1	0.01
XXV	213	2,2-双(溴甲基)-1,3-丙二醇 (BMP) 三溴新戊醇 (TBNPA) 2,3-二溴-1-丙醇 (2,3-DBPA) 2,2-bis(bromomethyl)propane 1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0; 36483-57-5; 1522-92-5; 96-13-9	0.01
XXV	214	2-(4-叔丁基苄基)丙醛及其立体异构体 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.01
XXV	215	4,4'-(1-甲基亚丙基)双酚; (双酚 B) 4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	0.01
XXV	216	戊二醛 Glutaral	111-30-8	0.01

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XXV	217	中链氯化石蜡 (MCCP) [UVCB 物质, 由≥80%的直链氯代烷烃组成, 碳链长度在 C14 到 C17 之间] Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	0.01
XXV	218	硼酸, 钠盐 Orthoboric acid, sodium salt	13840-56-7	0.01
XXVI	219	烷基酚, 碳链(C12 为主, 直链或支链)主要在对位的烷基酚物质及其任何单个异构体或组合 (PDDP) Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	0.01
XXVI	220	2,2'-(4-甲基-6-叔丁基苯酚) 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	0.01
XXVI	221	三(2-甲氧基乙氧基)乙烯基硅烷 Tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.01
XXVI	222	(±)-1,7,7-三甲基-3-[(4-甲基苯基)亚甲基]二环[2.2.1]庚-2-酮, 包括各个异构体和/或其组合(4-MBC) (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	0.01
XXVI	223	S-(三环[5.2.1.0 ^{2,6}]癸-3-烯-8(或9)-基) O-(异丙基或异丁基或 2-乙基己基) O-(异丙基或异丁基或 2-乙基己基)二硫代磷酸酯 S-(tricyclo[5.2.1.0 ^{2,6}]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	0.01
XXVII	224	N-羟甲基丙烯酰胺 N-(hydroxymethyl)acrylamide	924-42-5	0.01
XXVIII	225	1, 2-双 (2, 4, 6-三溴苯氧基)乙烷 11-[ethane-1 2-diylbis(oxy)]bis[2 4 6-tribromobenzene]	37853-59-1	0.01
XXVIII	226	四溴双酚 A 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	0.01

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XXVIII	227	4, 4-磺二酚(双 S) 4,4'-sulphonyldiphenol	80-09-1	0.01
XXVIII	228	偏硼酸锁 Barium diboron tetraoxide	13701-59-2	0.01
XXVIII	229	四溴邻苯二甲酸双(2-乙基己基)酯, 包括任何单个异构体和/或其组合 Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	0.01
XXVIII	230	4-基甲酸异丁酯 Isobutyl 4-hydroxybenzoate	4247-02-3	0.01
XXVIII	231	三聚氰胺 Melamine	108-78-1	0.01
XXVIII	232	全氟庚酸及其盐 Perfluoroheptanoic acid and its salts	-	0.01
XXVIII	233	2, 2, 3, 5, 5, 6, 6-八氟-4-(1, 1, 1, 2,3, 3-七氟丙烷-2-基)吗啉和 2, 2, 3, 5, 5, 6, 6-八氟-4-(七氟丙基)吗啉的反应物 reaction mass of 2 2 3.5 5 6.6-octafuoro-4-(1 112 3r3!3-heptafluoropropan-2-ymorpholine and 2 2.3 3 5 56.6-octafluoro-4-(heptafluoropropylmorpholine	-	0.01
XXIX	234	4,4'-二氯二苯砜 Bis(4-chlorophenyl) sulphone	80-07-9	0.01
XXIX	235	二苯基(2,4,6-三甲基苯甲酰基)氧化膦 Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	0.01
XXX	236	2,4,6-tri-tert-butylphenol, 2,4,6-三叔丁基苯酚(2,4,6-TTBP)	732-26-3	0.01
XXX	237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol-2-[2-羟基-5-(1,1,3,3-四甲丁基)苯基]苯并三唑 (UV-329)	3147-75-9	0.01
XXX	238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one, 2-(4-甲基苄基)-2-(二甲基氨基)-1-(4-吗啉苯基)-1-丁酮	119344-86-4	0.01
XXX	239	Bumetizole, 2-(5-氯-2H-苯三唑-2-基)-6-(1,1-二甲基乙基)-4-甲基苯酚 (UV-326)	3896-11-5	0.01
XXX	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	-	0.01

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XXXI	241	双(a, a-二甲基苄基)过氧化物 Bis(a,a-dimethylbenzyl) peroxide	80-43-3	0.01
XXXII	242	磷酸三苯酯 Tripheny Phosphate	115-86-6	0.01
XXXIII	243	6-[(C10-C13)-烷基-(支链, 不饱和)-2,5-二氧代吡咯烷-1-基]己酸 6-[(C10-C13)-alkyl1-(branched,unsaturated)-2,5-dioxopyrrolidin-1-y1]hexanoic acid	2156592-54-8	0.01
XXXIII	244	硫代磷酸(0,0,0-三苯基)酯 0,0,0-triphenyl phosphorothioate	597-82-0	0.01
XXXIII	245	八甲基三硅氧烷 Very persistent,very bioaccumulative,vPvB(Article 57e)	107-51-7	0.01
XXXIII	246	全氟三丙胺 Perfluamine	338-83-0	0.01
XXXIII	247	三苯基硫代磷酸盐和叔丁基化苯基衍生物反应物 Triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	0.01
XXXIV	248	1,1,1,3,5,5,5-七甲基-3-[(三甲基甲硅烷基)氧基]三硅氧烷 1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	17928-28-8	0.01
XXXIV	249	十甲基四硅氧烷 Decamethyltetrasiloxane	141-62-8	0.01
XXXIV	250	四(钠/钾)7-[(E)-{2-乙酰氨基-4-[(E)-(4-{[4-氯-6-[(2-[(4-氟-6-[(4-(乙 烯基磺酰基)苯基)氨基]-1,3,5-三嗪-2-基)氨基]丙基)氨基]-1,3,5-三 嗪-2-基]氨基}-5-磺基-1-萘基)偶氮]-5-甲氧基苯基}偶氮]-1,3,6-萘三 磺酸盐 (活性棕 51) tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4-chloro-6-((2-[(4-fluoro-6-{{[4- (vinylsulfonyl)phenyl]amino}-1,3,5-triazine-2- yl)amino]propyl)amino)-1,3,5-triazine-2-yl]amino}-5-sulfonato-1- naphthyl)diazenyl]-5-methoxyphenyl]diazenyl]-1,3,6- naphthalenetrisulfonate; Reactive Brown 51	0.01	0.01

备注 Remark:

1. 本报告所涉及的关于特定高关注物质的化学分析是根据欧洲化学品管理署发布的下列文件,
<http://echa.europa.eu/web/guest/candidate-list-table>
利用现有的分析技术完成的。这些文件清单由欧洲化学品管理署评估,将来可能会有变化。

The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the

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following SVHC related documents published by ECHA: <http://echa.europa.eu/web/guest/candidate-list-table>. These lists are under evaluation by ECHA and may subject to change in the future.

2. REACH 法规义务 REACH obligation:

2.1 关于物品 Concerning article(s):

告知 Communication:

欧盟第 1907/2006(EC)号法规第 33 条规定, 含有满足第 57 条中的标准并根据第 59 条第一款被确定且质量分数大于 0.1%的物质的物品的所有供应商应向物品接受者提供其可获取的充足信息, 以使物品使用安全, 这些信息至少包括含有的候选清单中物质的名称。

通报:

根据欧盟第 1907/2006(EC)号法规, 如果满足以下两个条件, 如果物质符合第 57 条中的标准并根据第 59 条第一款被确定, 物品的任何欧洲制造商或进口商应根据第 7 条第 4 款向欧盟化学品管理署进行通报: (a) 候选清单中的物质在物品中的总含量超过 1 吨/年/生产商或进口商; (b) 候选清单中的物质在物品中的总含量以质量分数计超过 0.1% 的浓度。

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 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 in the Candidate List.

Notification:

In accordance with Regulation (EC) No 1907/2006, any EU 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 in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

2.2 关于材料 Concerning material(s):

报告中的测试结果是基于测试样品。如样品是均一材质, 当其构成成品时, 此结果不能代表成品中的 SVHC 浓度。如样品为均一材质等比例合测, 这些材质也可能来自不同的物品。

如果样品是一种物质或混合物, 并且直接出口到欧盟, 客户有责任遵守欧盟第 1907/2006 号 REACH 法规第 31 条供应链信息传递的义务和附件十四中的授权高关注物质授权的责任。

Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No.1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

2.3 关于物质和配制品 Concerning substance and preparation:

如果样品中高关注物质的浓度超过 0.1% (w/w)和/或欧盟第 1272/2008 号 CLP 法规及其修订中设定的特殊浓度限值,

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建议客户根据欧盟第 1907/2006 号 REACH 法规对有关高关注物质准备安全数据表(SDS)以符合供应链通信的义务,如
-根据欧盟第 1272/2008 号 CLP 法规被列为有害物质。

-根据欧盟第 1272/2008 号 CLP 法规被列为有害混合物,而当中物质的浓度大于或等于欧盟第 1272/2008 号 CLP 法规列出的浓度限值;或

-根据欧盟第 1272/2008 号 CLP 法规并未列为有害混合物,但包含:

(a) 对人类健康或环境有害的物质,而在固体或液体混合物(即非气体混合物)中其浓度 $\geq 1\%$ (w/w)或在气体混合物中占体积 $\geq 0.2\%$,或

(b) PBT 或 vPvB 物质,在固体或液体混合物(即非气体混合物)中个别浓度 $\geq 0.1\%$ (w/w),或

(c) 授权审议的高关注物质候选清单上的物质(除上述以外的原因)在个别非气体混合物中的浓度 $\geq 0.1\%$ (w/w),或

(d) 设有欧洲范围内工作场所接触限值的物质。

If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:

- a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.

- a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or

- a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:

(a) a substance posing human health or environmental hazards in an individual concentration of $\geq 1\%$ by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or $\geq 0.2\%$ by volume for gaseous mixtures; or

(b) a substance that is PBT, or vPvB in an individual concentration of $\geq 0.1\%$ by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or

(c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of $\geq 0.1\%$ by weight for non-gaseous mixtures; or

(d) a substance for which there are Europe-wide workplace exposure limits.

3. 如果样品中 SVHC 的测试结果超过报告限,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。

* 测试结果是由选定的元素的结果并基于最坏的情况计算得出;

** 测试结果是由选定的标记物的结果并基于最坏的情况计算得出。

硼化合物的结果由 ICP-OES 测试的总硼(液体,粉末,膏体类样品)和水提取(其他样品)的硼元素结果换算得出。

RL=0.01% 是针对元素(例如钴、砷、铅、铬(VI)、铝、锆、硼、锶、锌、镉、钛、钡和镉),除了钼的 RL=0.001%,硼的 RL=0.005%(仅对四氟硼酸铅),铬(VI)的 RL=0.005%(仅对氢氧化铬酸锌)。

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.

* The test result is based on the calculation of selected element(s) and to the worst-case scenario.

** The test result is based on the calculation of selected marker(s) and to the worst-case scenario.

Calculated concentration of boric compounds are based on the total boron for liquid, powder and paste samples and water extractive boron for other samples by ICP-OES.

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RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, barium and cadmium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)).

4. § 只有当物质包含米氏酮(CAS No.: 90-94-8)或米氏碱(CAS No.: 101-61-1)的浓度 $\geq 0.1\%$ (w/w)的情况下, 该物质才被提议定为 SVHC。

§ The substance is proposed for the identification as SVHC only where it contains Michler's ketone (CAS Number: 90-94-8) or Michler's base (CAS Number: 101-61-1) $\geq 0.1\%$ (w/w).

备注Remark:

- mg/kg=毫克每千克(ppm)

- mg/kg=milligram per kilogram

- N.D. =未检出 (小于方法检测限)

- N.D. =Not Detected (<MDL)

- MDL=Method Detection Limit

- MDL=方法检测限

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