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Pony Testing International Group

**Test Report**  
(SVHC)

NO.: BNC49FWL70285604

Date: 2019.04.15

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Applicant:

Suqian Hollia Arts&Crafts Co.,Ltd

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

Sample Name: Fibre Diffuser Sticks

Sample information: polyester

Test Section: Mix Tested

Sample Received Date: 2019.04.04

Testing Period: 2019.04.04 To 2019.04.15

Reference specification: Very High Concern (SVHC) testing based on the list published by European Chemicals Agency (ECHA) as of 15 Jan. 2019, regarding regulation (EC) No 1907/2006 concerning the REACH. Screening tests based on customer requirements.

Test result(s): Please refer to next page(s)

Approved by:



微信扫一扫，使用小程序



小程序扫一扫，在线验证

Code: uz18i6m4e0

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Sample Number and Name: L70285604 Fibre Diffuser Sticks

Reference Method:

Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification
I	1	Anthracene	AfPS GS 2014:01 PAK GC-MS	PBT
I	2	Benzyl butyl phthalate (BBP)	US EPA 8061A:1996 GC-MS	Toxic for reproduction, cat.2
I	3	Dibutyl phthalate (DBP)	US EPA 8061A:1996 GC-MS	Toxic for reproduction, cat.2
I	4	Bis(2-ethylhexyl) phthalate (DEHP)	US EPA 8061A:1996 GC-MS	Toxic for reproduction, cat.2
I	5	HBCDD ( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD)	US EPA 8270E:2017 GC-MS	PBT
I	6	4,4'-Diaminodiphenylmethane	EN ISO 14362-1-2017 GC-MS	Carcinogen, cat.2
I	7	Short chain chlorinated paraffins (SCCP)	US EPA 3540C:1996 GC-MS	PBT vPvB
I	8	Musk xylene	US EPA 3550C:2007 GC-MS	vPvB
I	9	Triethyl arsenate <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Carcinogen, cat.1
I	10	Bis(tributyltin) oxide (TBTO)	DIN EN ISO 17353:2005 GC-MS	PBT
I	11	Cobalt dichloride <sup>(1)</sup>	US EPA 6010D:2014 BS EN 14582:2016 ICP-OES/IC	CMR
I	12	Diarsenic pentaoxide <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Carcinogen, cat.1
I	13	Diarsenic trioxide <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Carcinogen, cat.1
I	14	Sodium dichromate <sup>(1)</sup>	US EPA 6010D:2014 US EPA 3060A:1996 US EPA 9056A:2007 ICP-OES/UV-Vis	Carcinogen, cat.2 Mutagen, cat.2 Toxic for reproduction, cat.2
I	15	Lead hydrogen arsenate <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Carcinogen, cat.1 Toxic for reproduction, cat.1
II	16	2,4-Dinitrotoluene	US EPA 3550C:2007 GC-MS	Carcinogen, cat.2
II	17	Anthracene oil <sup>(2)</sup>	US EPA 3540C:1996 GC-MS	PBT
II	18	Anthracene oil, anthracene paste, distn lights <sup>(2)</sup>	US EPA 3540C:1996 GC-MS	PBT

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II	19	Anthracene oil, anthracene paste, anthracene fraction <sup>(2)</sup>	US EPA 3540C:1996 GC-MS	PBT
II	20	Anthracene oil, anthracene-low <sup>(2)</sup>	US EPA 3540C:1996 GC-MS	PBT
II	21	Anthracene oil, anthracene paste <sup>(2)</sup>	US EPA 3540C:1996 GC-MS	PBT
II	22	Diisobutyl phthalate (DIBP)	US EPA 8061A:1996 GC-MS	Toxic for reproduction, cat.2
II	23	Lead chromate <sup>(3)</sup>	US EPA 6010D:2014 US EPA 3060A:1996 ICP-OES/UV-Vis	Carcinogen, cat.2 Toxic for reproduction, cat.1
II	24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) <sup>(3)</sup>	US EPA 6010D:2014 US EPA 3060A:1996 ICP-OES/UV-Vis	Carcinogen, cat.2 Toxic for reproduction, cat.1
II	25	Lead sulfochromate yellow (C.I. Pigment Yellow 34) <sup>(3)</sup>	US EPA 6010D:2014 US EPA 3060A:1996 ICP-OES/UV-Vis	Carcinogen, cat.2 Toxic for reproduction, cat.1
II	26	Tris(2-chloroethyl) phosphate (TCEP)	US EPA 3550C:2007 GC-MS	Toxic for reproduction, cat.2
II	27	Coal tar pitch, high temperature <sup>(2)</sup>	US EPA 3540C:1996 GC-MS	PBT Carcinogen, cat.2
II	28	Acrylamide	Pony-in-house method HPLC	Carcinogen, cat.2 Mutagen, cat.2
III	29	Trichloroethylene	US EPA 5021:1996 HS-GC	Carcinogen, cat.2
III	30	Boric acid <sup>(1)</sup>	Pony-in-house method ICP-OES	Toxic for reproduction, cat.2
III	31	Disodium tetraborate, anhydrous <sup>(1)</sup>	Pony-in-house method ICP-OES	Toxic for reproduction, cat.2
III	32	Tetraboron disodium heptaoxide, hydrate <sup>(1)</sup>	Pony-in-house method ICP-OES	Toxic for reproduction, cat.2
III	33	Sodium chromate <sup>(1)</sup>	Pony-in-house method UV-Vis	Carcinogen, cat.2 Mutagen, cat.2 Toxic for reproduction, cat.2
III	34	Potassium chromate <sup>(1)</sup>	Pony-in-house method UV-Vis	Carcinogen, cat.2 Mutagen, cat.2
III	35	Potassium dichromate <sup>(1)</sup>	Pony-in-house method UV-Vis	Carcinogen, cat.2 Mutagen, cat.2 Toxic for reproduction, cat.2

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III	36	Ammonium dichromate <sup>(1)</sup>	Pony-in-house method UV-Vis	Carcinogen, cat.2 Mutagen, cat.2 Toxic for reproduction, cat.2	
IV	37	Cobalt(II) sulfate <sup>(1)</sup>	Pony-in-house method ICP-OES	Carcinogen, cat.2 Mutagen, cat.3 Toxic for reproduction, cat.2	
IV	38	Cobalt(II) dinitrate <sup>(1)</sup>	Pony-in-house method ICP-OES	Carcinogen, cat.2 Mutagen, cat.3 Toxic for reproduction, cat.2 CMR	
IV	39	Cobalt(II) carbonate <sup>(1)</sup>	Pony-in-house method ICP-OES	CMR	
IV	40	Cobalt(II) diacetate <sup>(1)</sup>	Pony-in-house method ICP-OES	CMR	
IV	41	2-Methoxyethanol	US EPA 3550C:2007 GC	CMR	
IV	42	2-Ethoxyethanol	US EPA 3550C:2007 GC	CMR	
IV	43	Chromium trioxide <sup>(1)</sup>	Pony-in-house method UV-Vis	CMR1,2	
IV	44	Chromium hemitrioxide and acid from it's oligomer <sup>(1)</sup>	Chromic acid	Pony-in-house method UV-Vis	CMR
			Dichromic acid	Pony-in-house method UV-Vis	CMR
			Oligomers of chromic acid and dichromic acid	Pony-in-house method UV-Vis	CMR2
V	45	2-Ethoxyethyl acetate	US EPA 3550C:2007 GC	CMR	
V	46	Strontium chromate <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	CMR	
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters <sup>(2)</sup> (DHNUP)	US EPA 8061A:1996 GC-MS	CMR	
V	48	Hydrazine	Pony-in-house method UV-Vis	CMR	
V	49	1-Methyl-2-pyrrolidone	US EPA 3550C:2007 GC	CMR	
V	50	1,2,3-Trichloropropane	US EPA 5021:1996 HS-GC	CMR	

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V	51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich <sup>(2)</sup> (DIHP)	US EPA 8061A:1996 GC-MS	CMR
VI	52	Dichromium tris(chromate) <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	CMR
VI	53	Potassium hydroxyoctaoxidizincatedichromate <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	CMR
VI	54	Pentazinc chromate octahydroxide <sup>(3)</sup>	US EPA 6010D:2014 ICP-OES	CMR
VI	55	Aluminosilicate refractory ceramic fibres (RCF) <sup>(3)</sup>	US EPA 6010D:2014 ICP-OES	CMR
VI	56	Zirconia aluminosilicate refractory ceramic fibres (Zr-RCF) <sup>(3)</sup>	US EPA 6010D:2014 ICP-OES	CMR
VI	57	Formaldehyde, oligomeric reaction products with aniline <sup>(3)</sup>	Pony-in-house method GC-MS	CMR
VI	58	Bis(2-methoxyethyl) phthalate (DMEP)	US EPA 8061A:1996 GC-MS	CMR
VI	59	2-Methoxyaniline	EN ISO 14362-1-2017 GC-MS	CMR
VI	60	4-(1,1,3,3-Tetramethylbutyl) phenol	US EPA 3550C:2007 GC-MS	Equivalent concern
VI	61	1,2-Dichloroethane	US EPA 5021:1996 HS-GC	CMR
VI	62	Bis(2-methoxyethyl) ether	US EPA 3550C:2007 GC	CMR
VI	63	Arsenic acid <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	CMR
VI	64	Calcium arsenate <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	CMR
VI	65	Trilead diarsenate <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	CMR
VI	66	N,N-Dimethylacetamide	US EPA 3550C:2007 GC	CMR
VI	67	Phenolphthalein	Pony-in-house method HPLC	CMR
VI	68	2,2'-Dichloro-4,4'-methylenedianiline (MOCA)	EN ISO 14362-1-2017 GC-MS	CMR

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VI	69	Lead diazide <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	CMR
VI	70	Lead styphnate <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	CMR
VI	71	Lead dipicrate <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	CMR
VII	72	1,2-Bis(2-methoxyethoxy) ethane	US EPA 3550C:2007 GC	Toxic for reproduction
VII	73	1,2-Dimethoxyethane ethylene glycol dimethyl ether	US EPA 5021:1996 HS-GC	Toxic for reproduction
VII	74	Diboron trioxide <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
VII	75	Formamide	US EPA 3550C:2007 GC	Toxic for reproduction
VII	76	Lead(II) bis(methanesulfonate) <sup>(1)</sup>	US EPA 6010D:2014 AAS	Toxic for reproduction
VII	77	1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (TGIC)	US EPA 8270E:2017 GC-MS	Mutagen
VII	78	1,3,5-Tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione <sup>(4)</sup>	US EPA 8270E:2017 GC-MS	Mutagen
VII	79	4,4'-Bis(dimethylamino) benzophenone (Michler's ketone)	US EPA 8270E:2017 GC-MS	Carcinogen
VII	80	N,N,N',N'-Tetramethyl-4,4'-methylenedianiline (Michler's base)	US EPA 8270E:2017 GC-MS	Carcinogen
VII	81	[4-[4,4'-Bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3) <sup>(5)</sup>	Pony-in-house method HPLC	Carcinogen
VII	82	[4-[[4-Anilino-1-naphthyl] [4-(dimethylamino) phenyl] methylene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) <sup>(5)</sup>	Pony-in-house method HPLC	Carcinogen

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VII	83	$\alpha,\alpha$ -Bis[4-(dimethylamino) phenyl]-4(phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4) <sup>(5)</sup>	Pony-in-house method HPLC	Carcinogen
VII	84	4,4'-Bis(dimethylamino)-4''-(methylamino) trityl alcohol <sup>(5)</sup>	Pony-in-house method HPLC	Carcinogen
VIII	85	Bis(pentabromophenyl) ether (DecaBDE)	IEC 62321-6:2015 GC-MS	PBT vPvB
VIII	86	Pentacosafuorotridecanoic acid	US EPA 3550C:2007 LC-MS/MS	vPvB
VIII	87	Tricosafuorododecanoic acid	US EPA 3550C:2007 LC-MS/MS	vPvB
VIII	88	Henicosafuoroundecanoic acid	US EPA 3550C:2007 LC-MS/MS	vPvB
VIII	89	Heptacosafuorotetradecanoic acid	US EPA 3550C:2007 LC-MS/MS	vPvB
VIII	90	4-(1,1,3,3-Tetramethylbutyl)phenol, ethoxylated-covering well-defined substances and UVCB substances, polymers and homologues <sup>(2)</sup>	US EPA 3550C:2007 HPLC	Equivalent concern
VIII	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 <sup>(2)</sup>	US EPA 3550C:2007 HPLC	Equivalent concern
VIII	92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	US EPA 3550C:2007 HPLC	Equivalent concern
VIII	93	Cyclohexane-1,2-dicarboxylic Anhydride, cis-cyclohexane -1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	US EPA 3550C:2007 GC-MS	Equivalent concern

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Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification
VIII	94	Hexahydromethylphthalicanhydride Hexahydro-4-methylphthalicanhydride Hexahydro-1-methylphthalicanhydride Hexahydro-3-methylphthalicanhydride	US EPA 3550C:2007 GC-MS	Equivalent concern
VIII	95	Methoxy acetic acid	US EPA 3550C:2007 GC	Toxic for reproduction Equivalent concern
VIII	96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	US EPA 8061A:1996 GC-MS	Toxic for reproduction
VIII	97	Diisopentylphthalate (DIPP)	US EPA 8061A:1996 GC-MS	Toxic for reproduction
VIII	98	N-pentyl-isopentylphthalate	US EPA 8061A:1996 GC-MS	Toxic for reproduction
VIII	99	1,2-Diethoxyethane	US EPA 3550C:2007 GC	Toxic for reproduction
VIII	100	N,N-dimethylformamide	US EPA 3550C:2007 GC	Toxic for reproduction
VIII	101	Dibutyltin dichloride (DBT)	DIN EN ISO 17353:2005 GC-MS	Toxic for reproduction
VIII	102	Acetic acid, lead salt, basic <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
VIII	103	Basic lead carbonate (Trilead bis(carbonate)dihydroxide) <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
VIII	104	Lead oxide sulfate (Basic lead sulfate) <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
VIII	105	[Phthalato(2-)] dioxotrilead <sup>(1)</sup>	Pony-In-house method GC-MS/ICP-OES	Toxic for reproduction
VIII	106	Dioxobis(stearato) trilead <sup>(1)</sup>	Pony-In-house method GC-MS/ICP-OES	Toxic for reproduction
VIII	107	Fatty acids, C16-18, lead salts C16-18 <sup>(1)</sup>	Pony-In-house method GC-MS/ICP-OES	Toxic for reproduction
VIII	108	Lead bis(tetrafluoroborate) <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
VIII	109	Lead cyanamidate <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
VIII	110	Lead dinitrate <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
VIII	111	Lead oxide (Lead monoxide) <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
VIII	112	Lead tetroxide (Orange lead) <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction

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VIII	113	Lead titanium trioxide <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
VIII	114	Lead titanium zirconium oxide <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
VIII	115	Pentalead tetraoxide sulphate <sup>(3)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
VIII	116	Pyrochlore, antimony lead yellow (C.I. Pigment Yellow 41) <sup>(3)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
VIII	117	Silicic acid, barium salt, lead-doped <sup>(3)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
VIII	118	Silicic acid, lead salt <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
VIII	119	Sulfurous acid, lead salt, dibasic <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
VIII	120	Tetraethyllead <sup>(1)</sup>	Pony-In-house method GC-MS/ICP-OES	Toxic for reproduction
VIII	121	Tetralead trioxide sulphate <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
VIII	122	Trilead dioxide phosphonate <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
VIII	123	Furan	US EPA 5021:1996 HS-GC	Carcinogen
VIII	124	Propylene oxide; 1,2-epoxypropane;methyloxirane	US EPA 5021:1996 HS-GC	Carcinogen Mutagen
VIII	125	Diethyl sulphate	US EPA 3550C:2007 LC-MS/MS	Carcinogen Mutagen
VIII	126	Dimethyl sulphate	US EPA 3550C:2007 LC-MS/MS	Carcinogen
VIII	127	3-Ethyl-2-methyl-2-(3-methylbutyl)- 1,3-oxazolidine	Pony-In-house method HS-GC/GC-MS	Toxic for reproduction
VIII	128	Dinoseb	US EPA 3550C:2007 HPLC	Toxic for reproduction
VIII	129	4,4'-Methylenedi-o-toluidine	EN ISO 14362-1-2017 GC-MS	Carcinogen
VIII	130	4,4'-Oxydianiline and its salts	EN ISO 14362-1-2017 GC-MS	Carcinogen Mutagen
VIII	131	4-Aminoazobenzene	EN ISO 14362-1-2017 EN ISO 14362-3-2017 GC-MS	Carcinogen

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VIII	132	4-Methyl-m-phenylenediamine (2,4-Toluene-diamine)	EN ISO 14362-1-2017 GC-MS	Carcinogen
VIII	133	6-Methoxy-m-toluidine (p-cresidine)	EN ISO 14362-1-2017 GC-MS	Carcinogen
VIII	134	Biphenyl-4-ylamine	EN ISO 14362-1-2017 GC-MS	Carcinogen
VIII	135	o-Aminoazotoluene	EN ISO 14362-1-2017 GC-MS	Carcinogen
VIII	136	o-Toluidine; 2-Aminotoluene	EN ISO 14362-1-2017 GC-MS	Carcinogen
VIII	137	N-Methylacetamide	US EPA 3550C:2007 GC	Toxic for reproduction
VIII	138	1-Bromopropane; n-Propyl bromide	US EPA 5021:1996 HS-GC	Toxic for reproduction
IX	139	Cadmium	US EPA 6010D:2014 ICP-OES	CMR EQC
IX	140	Cadmium oxide <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	CMR EQC
IX	141	Dipentyl phthalate (DPP)	US EPA 8061A:1996 GC-MS	Toxic for reproduction
IX	142	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] <sup>(2)</sup>	US EPA 3550C:2007 HPLC	EQC
IX	143	Ammonium pentadecafluorooctanoate (APFO)	US EPA 3550C:2007 LC-MS/MS	vPvB
IX	144	Pentadecafluorooctanoic acid (PFOA)	US EPA 3550C:2007 LC-MS/MS	vPvB
X	145	Cadmium sulphide <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	CMR EQC

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X	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)	Pony-In-house method LC-MS/MS	Carcinogen
X	147	Dihexyl phthalate	US EPA 8061A:1996 GC-MS	Toxic for reproduction
X	148	Imidazolidine-2-thione (2-imidazoline-2-thiol)	US EPA 3550C:2007 GC-MS	Toxic for reproduction
X	149	Trixylyl phosphate	US EPA 3550C:2007 GC-MS	Toxic for reproduction
X	150	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	Pony-In-house method LC-MS/MS	Carcinogen
X	151	Lead di(acetate) <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	US EPA 8061A:1996 GC-MS	Toxic for reproduction
XI	153	Sodium perborate; perboric acid, sodium salt <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
XI	154	Sodium peroxometaborate <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
XI	155	Cadmium chloride <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	CMR EQC
XII	156	2-(2'-Hydroxy-3',5'-di-tert-butylphenyl) benzotriazole (UV-320)	US EPA 3540C:1996 GC-MS	PBT vPvB
XII	157	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	US EPA 3540C:1996 GC-MS	PBT vPvB
XII	158	2-Ethylhexyl-10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) <sup>(2)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
XII	159	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 & MOTE) <sup>(2) (3)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction

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Reference Methods:

Batch No.	No.	Substance Name(s)	Reference Methods and Equipments	Substance Classification
XII	160	Cadmium fluoride <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	CMR EQC
XII	161	Cadmium sulphate <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	CMR EQC
XIII	162	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate <sup>(2)</sup>	US EPA 8061A:1996 GC-MS	Toxic for reproduction
XIII	163	5-Sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethyl-cyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof] <sup>(2)</sup>	US EPA 3550C:2007 GC-MS	vPvB
XIV	164	1,3-Propanesultone	Pony-In-house method GC-MS	Carcinogenic
XIV	165	2,4-Di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)pheno (UV-327)	US EPA 3540C:1996 GC-MS	vPvB
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	US EPA 3540C:1996 GC-MS	vPvB
XIV	167	Nitrobenzene	US EPA 8270E:2017 GC-MS	Toxic for reproduction
XIV	168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9)-heptadecafluoronanoic acid and its sodium and ammonium salts <sup>(2)</sup>	US EPA 3550C:2007 LC-MS/MS	vPvB
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	AfPS GS 2014:01 PAK GC-MS	PBT
XVI	170	4,4'-isopropylidenediphenol (bisphenol A)	Pony-in-house method HPLC	Toxic for reproduction

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XVI	171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts <sup>(3)</sup>	US EPA 3550C:2007 UPLC-MS/MS	vPvB
XVI	172	4-heptylphenol, branched and linear (4-HPbl) <sup>(3)</sup>	Pony-in-house method HPLC	Endocrine-disrupting for the environment
XVI	173	p-(1,1-dimethylpropyl)phenol	Pony-in-house method HPLC	Endocrine-disrupting for the environment
XVII	174	Perfluorohexane-1-sulphonic acid and its salts	US EPA 3550C:2007 LC-MS/MS	vPvB
XVIII	175	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination)	Pony-in-house method HPLC	vPvB
XVIII	176	Benz[a]anthracene	AfPS GS 2014:01 PAK GC-MS	PBT
XVIII	177	Chrysene	AfPS GS 2014:01 PAK GC-MS	PBT
XVIII	178	Cadmium nitrate <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	CMR EQC
XVIII	179	Cadmium carbonate <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	CMR EQC
XVIII	180	Cadmium hydroxide <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	CMR EQC
XVIII	181	Rreaction 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] <sup>(2)</sup>	Pony-in-house method HPLC	Endocrine-disrupting for the environment
XIX	182	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride (trimellitic anhydride) (TMA)	Pony-In-house method HPLC	Equivalent concern
XIX	183	Dicyc-lohexyl phthalate (DCHP)	EPA 8061A:1996 GC-MS	Toxic for reproduction
XIX	184	Benzo(g,h,i)Perylene	AfPS GS 2014:01 PAK GC-MS	PBT

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XIX	185	Decamethylcyclopentasiloxane (D5)	Pony-In-house method GC-MS	PBT; vPvB
XIX	186	Disodium octaborate <sup>(1)</sup>	US EPA 6010D:2014 ICP-OES	Toxic for reproduction
XIX	187	Dodecamethylcyclohexasiloxane (D6)	Pony-In-house method GC-MS	PBT; vPvB
XIX	188	Ethylenediamine	Pony-In-house method GC	Respiratory sensitising properties-human health
XIX	189	Lead	US EPA 6010D:2014 ICP-OES	CMR EQC
XIX	190	Octamethylcyclotetrasiloxane(D4)	Pony-In-house method GC-MS	PBT; vPvB
XIX	191	Terphenyl hydrogenated	Pony-In-house method GC-MS	vPvB
XX	192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	Pony-in-house method HPLC	Toxic for reproduction
XX	193	Benzo[k]fluoranthene	AfPS GS 2014:01 PAK GC-MS	PBT
XX	194	Fluoranthene	AfPS GS 2014:01 PAK GC-MS	PBT
XX	195	Phenanthrene	AfPS GS 2014:01 PAK GC-MS	PBT
XX	196	Pyrene	AfPS GS 2014:01 PAK GC-MS	PBT
XX	197	1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one	Pony-in-house method GC-MS	Endocrine disrupting properties

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Batch No.	No.	SVHC	CAS number	EC number	DL	Test Result
I	1	Anthracene	120-12-7	204-371-1	0.0005	N.D.
I	2	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	0.005	N.D.
I	3	Dibutyl phthalate (DBP)	84-74-2	201-557-4	0.005	N.D.
I	4	Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	204-211-0	0.005	N.D.
I	5	HBCDD ( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD)	25637-99-4 3194-55-6 (134237-51-7 134237-50-6 134237-52-8)	247-148-4 221-695-9	0.005	N.D.
I	6	4,4'-Diaminodiphenylmethane	101-77-9	202-974-4	0.005	N.D.
I	7	Short chain chlorinated paraffins (SCCP)	85535-84-8	287-476-5	0.01	N.D.
I	8	Musk xylene	81-15-2	201-329-4	0.005	N.D.
I	9	Triethyl arsenate <sup>(1)</sup>	15606-95-8	427-700-2	0.005	N.D.
I	10	Bis(tributyltin) oxide (TBTO)	56-35-9	200-268-0	0.01	N.D.
I	11	Cobalt dichloride <sup>(1)</sup>	7646-79-9	231-589-4	0.01	N.D.
I	12	Diarsenic pentaoxide <sup>(1)</sup>	1303-28-2	215-116-9	0.01	N.D.
I	13	Diarsenic trioxide <sup>(1)</sup>	1327-53-3	215-481-4	0.01	N.D.
I	14	Sodium dichromate <sup>(1)</sup>	7789-12-0 10588-01-9	234-190-3	0.01	N.D.
I	15	Lead hydrogen arsenate <sup>(1)</sup>	7784-40-9	232-064-2	0.01	N.D.
II	16	2,4-Dinitrotoluene	121-14-2	204-450-0	0.01	N.D.

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II	17	Anthracene oil <sup>(2)</sup>	90640-80-5	292-602-7	0.05	N.D.
II	18	Anthracene oil, anthracene paste, distn lights <sup>(2)</sup>	91995-17-4	295-278-5	0.05	N.D.
II	19	Anthracene oil, anthracene paste, anthracene fraction <sup>(2)</sup>	91995-15-2	295-275-9	0.05	N.D.
II	20	Anthracene oil, anthracene-low <sup>(2)</sup>	90640-82-7	292-604-8	0.05	N.D.
II	21	Anthracene oil, anthracene paste <sup>(2)</sup>	90640-81-6	292-603-2	0.05	N.D.
II	22	Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	0.005	N.D.
II	23	Lead chromate <sup>(3)</sup>	7758-97-6	231-846-0	0.005	N.D.
II	24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) <sup>(3)</sup>	12656-85-8	235-759-9	0.005	N.D.
II	25	Lead sulfochromate yellow (C.I. Pigment Yellow 34) <sup>(3)</sup>	1344-37-2	215-693-7	0.005	N.D.
II	26	Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	204-118-5	0.005	N.D.
II	27	Coal tar pitch, high temperature <sup>(2)</sup>	65996-93-2	266-028-2	0.05	N.D.
II	28	Acrylamide	79-06-1	201-173-7	0.005	N.D.
III	29	Trichloroethylene	79-01-6	201-167-4	0.01	N.D.
III	30	Boric acid <sup>(1)</sup>	10043-35-3 11113-50-1	233-139-2 234-343-4	0.01	N.D.
III	31	Disodium tetraborate, anhydrous <sup>(1)</sup>	1330-43-4 12179-04-3 1303-96-4	215-540-4	0.01	N.D.
III	32	Tetraboron disodium heptaoxide, hydrate <sup>(1)</sup>	12267-73-1	235-541-3	0.01	N.D.

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III	33	Sodium chromate <sup>(1)</sup>	7775-11-3	231-889-5	0.01	N.D.	
III	34	Potassium chromate <sup>(1)</sup>	7789-00-6	232-140-5	0.01	N.D.	
III	35	Potassium dichromate <sup>(1)</sup>	7778-50-9	231-906-6	0.01	N.D.	
III	36	Ammonium dichromate <sup>(1)</sup>	7789-09-5	232-143-1	0.01	N.D.	
IV	37	Cobalt(II) sulfate <sup>(1)</sup>	10124-43-3	233-334-2	0.01	N.D.	
IV	38	Cobalt(II) dinitrate <sup>(1)</sup>	10141-05-6	233-402-1	0.01	N.D.	
IV	39	Cobalt(II) carbonate <sup>(1)</sup>	513-79-1	208-169-4	0.01	N.D.	
IV	40	Cobalt(II) diacetate <sup>(1)</sup>	71-48-7	200-755-8	0.01	N.D.	
IV	41	2-Methoxyethanol	109-86-4	203-713-7	0.01	N.D.	
IV	42	2-Ethoxyethanol	110-80-5	203-804-1	0.01	N.D.	
IV	43	Chromium trioxide <sup>(1)</sup>	1333-82-0	215-607-8	0.01	N.D.	
IV	44	Chromium hemitrioxide and acid from it's oligomer <sup>(1)</sup>	Chromic acid	7738-94-5 13530-68-2	231-801-5 236-881-5	0.01	N.D.
			Dichromic acid				
			Oligomers of chromic acid and dichromic acid				
V	45	2-Ethoxyethyl acetate	111-15-9	203-839-2	0.01	N.D.	
V	46	Strontium chromate <sup>(1)</sup>	7789-06-2	232-142-6	0.01	N.D.	

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V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters <sup>(2)</sup> (DHNUP)	68515-42-4	271-084-6	0.01	N.D.
V	48	Hydrazine	7803-57-8 302-01-2	206-114-9	0.01	N.D.
V	49	1-Methyl-2-pyrrolidone	872-50-4	212-828-1	0.01	N.D.
V	50	1,2,3-Trichloropropane	96-18-4	202-486-1	0.01	N.D.
V	51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich <sup>(2)</sup> (DIHP)	71888-89-6	276-158-1	0.01	N.D.
VI	52	Dichromium tris(chromate) <sup>(1)</sup>	24613-89-6	246-356-2	0.01	N.D.
VI	53	Potassium hydroxyoctaoxodizincatedi-chromate <sup>(1)</sup>	11103-86-9	234-329-8	0.01	N.D.
VI	54	Pentazinc chromate octahydroxide <sup>(3)</sup>	49663-84-5	256-418-0	0.01	N.D.
VI	55	Aluminosilicate refractory ceramic fibres (RCF) <sup>(3)</sup>	—	—	0.01	N.D.
VI	56	Zirconia aluminosilicate refractory ceramic fibres (Zr-RCF) <sup>(3)</sup>	—	—	0.01	N.D.
VI	57	Formaldehyde, oligomeric reaction products with aniline <sup>(3)</sup>	25214-70-4	500-036-1	0.05	N.D.
VI	58	Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	204-212-6	0.005	N.D.
VI	59	2-Methoxyaniline	90-04-0	201-963-1	0.005	N.D.
VI	60	4-(1,1,3,3-Tetramethylbutyl) 4-phenol	140-66-9	205-426-2	0.005	N.D.
VI	61	1,2-Dichloroethane	107-06-2	203-458-1	0.01	N.D.
VI	62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.01	N.D.

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VI	63	Arsenic acid <sup>(1)</sup>	7778-39-4	231-901-9	0.01	N.D.
VI	64	Calcium arsenate <sup>(1)</sup>	7778-44-1	231-904-5	0.01	N.D.
VI	65	Trilead diarsenate <sup>(1)</sup>	3687-31-8	222-979-5	0.01	N.D.
VI	66	N,N-Dimethylacetamide	127-19-5	204-826-4	0.005	N.D.
VI	67	Phenolphthalein	77-09-8	201-004-7	0.01	N.D.
VI	68	2,2'-Dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.005	N.D.
VI	69	Lead diazide <sup>(1)</sup>	13424-46-9	236-542-1	0.01	N.D.
VI	70	Lead styphnate <sup>(1)</sup>	15245-44-0	239-290-0	0.01	N.D.
VI	71	Lead dipicrate <sup>(1)</sup>	6477-64-1	229-335-2	0.01	N.D.
VII	72	1,2-Bis(2-methoxyethoxy) ethane	112-49-2	203-977-3	0.01	N.D.
VII	73	1,2-Dimethoxyethane ethylene glycol dimethyl ether	110-71-4	203-794-9	0.01	N.D.
VII	74	Diboron trioxide <sup>(1)</sup>	1303-86-2	215-125-8	0.01	N.D.
VII	75	Formamide	75-12-7	200-842-0	0.01	N.D.
VII	76	Lead(II) bis(methanesulfonate) <sup>(1)</sup>	17570-76-2	401-750-5	0.01	N.D.
VII	77	1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (TGIC)	2451-62-9	219-514-3	0.01	N.D.
VII	78	1,3,5-Tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione <sup>(4)</sup>	59653-74-6	423-400-0	0.01	N.D.

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VII	79	4,4'-Bis(dimethylamino) benzo phenone (Michler's ketone)	90-94-8	202-027-5	0.01	N.D.
VII	80	N,N,N',N'-Tetramethyl-4,4'-methyl enedianiline (Michler's base)	101-61-1	202-959-2	0.01	N.D.
VII	81	[4- [4,4'-Bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene] dimethylam monium chloride (C.I. Basic Violet 3) <sup>(5)</sup>	548-62-9	208-953-6	0.01	N.D.
VII	82	[4-[[4-Anilino-1-naphthyl] [4-(dimethylamino) phenyl] methylene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) <sup>(5)</sup>	2580-56-5	219-943-6	0.01	N.D.
VII	83	$\alpha,\alpha$ -Bis[4-(dimethylamino) phenyl]-4(phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4) <sup>(5)</sup>	6786-83-0	229-851-8	0.01	N.D.
VII	84	4,4'-Bis(dimethylamino)-4''-(methylamino) trityl alcohol <sup>(5)</sup>	561-41-1	209-218-2	0.01	N.D.
VIII	85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	0.005	N.D.
VIII	86	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	0.005	N.D.
VIII	87	Tricosafuorododecanoic acid	307-55-1	206-203-2	0.005	N.D.
VIII	88	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	0.005	N.D.
VIII	89	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	0.005	N.D.
VIII	90	4-(1,1,3,3-Tetramethylbutyl) phenol, ethoxylated-covering well-defined substances and UVCB substances, polymers and homologues <sup>(2)</sup>	—	—	0.01	N.D.

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VIII	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 <sup>(2)</sup>	—	—	0.01	N.D.
VIII	92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.005	N.D.
VIII	93	Cyclohexane-1,2-dicarboxylic Anhydride, cis-cyclohexane -1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	0.01	N.D.
VIII	94	Hexahydromethylphthalicanhydride Hexahydro-4-methylphthalicanhydride Hexahydro-1-methylphthalicanhydride Hexahydro-3-methylphthalicanhydride	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1	0.01	N.D.
VIII	95	Methoxy acetic acid	625-45-6	210-894-6	0.01	N.D.
VIII	96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	0.01	N.D.
VIII	97	Diisopentylphthalate (DIPP)	605-50-5	210-088-4	0.005	N.D.
VIII	98	N-pentyl-isopentylphthalate	776297-69-9	—	0.005	N.D.
VIII	99	1,2-Diethoxyethane	629-14-1	211-076-1	0.01	N.D.
VIII	100	N,N-dimethylformamide	68-12-2	200-679-5	0.01	N.D.
VIII	101	Dibutyltin dichloride (DBT)	683-18-1	211-670-0	0.01	N.D.

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VIII	102	Acetic acid, lead salt, basic <sup>(1)</sup>	51404-69-4	257-175-3	0.01	N.D.
VIII	103	Basic lead carbonate (Trilead bis(carbonate)dihydroxide) <sup>(1)</sup>	1319-46-6	215-290-6	0.01	N.D.
VIII	104	Lead oxide sulfate (Basic lead sulfate) <sup>(1)</sup>	12036-76-9	234-853-7	0.01	N.D.
VIII	105	[Phthalato(2-)] dioxotrilead (dibasic lead phthalate) <sup>(1)</sup>	69011-06-9	273-688-5	0.01	N.D.
VIII	106	Dioxobis(stearato) trilead <sup>(1)</sup>	12578-12-0	235-702-8	0.01	N.D.
VIII	107	Fatty acids, C16-18, lead salts C16-18 <sup>(1)</sup>	91031-62-8	292-966-7	0.01	N.D.
VIII	108	Lead bis(tetrafluoroborate) <sup>(1)</sup>	13814-96-5	237-486-0	0.01	N.D.
VIII	109	Lead cyanamidate <sup>(1)</sup>	20837-86-9	244-073-9	0.01	N.D.
VIII	110	Lead dinitrate <sup>(1)</sup>	10099-74-8	233-245-9	0.01	N.D.
VIII	111	Lead oxide (Lead monoxide) <sup>(1)</sup>	1317-36-8	215-267-0	0.01	N.D.
VIII	112	Lead tetroxide (Orange lead) <sup>(1)</sup>	1314-41-6	215-235-6	0.01	N.D.
VIII	113	Lead titanium trioxide <sup>(1)</sup>	12060-00-3	235-038-9	0.01	N.D.
VIII	114	Lead titanium zirconium oxide <sup>(1)</sup>	12626-81-2	235-727-4	0.01	N.D.
VIII	115	Pentalead tetraoxide sulphate <sup>(3)</sup>	12065-90-6	235-067-7	0.01	N.D.
VIII	116	Pyrochlore, antimony lead yellow (C.I. Pigment Yellow 41) <sup>(3)</sup>	8012-00-8	232-382-1	0.01	N.D.
VIII	117	Silicic acid, barium salt, lead-doped <sup>(3)</sup>	68784-75-8	272-271-5	0.01	N.D.
VIII	118	Silicic acid, lead salt <sup>(1)</sup>	11120-22-2	234-363-3	0.01	N.D.

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**Test Report**  
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Test result (Unit: %)

Batch No.	No.	SVHC	CAS number	EC number	DL	Test Result
VIII	119	Sulfurous acid, lead salt, dibasic <sup>(1)</sup>	62229-08-7	263-467-1	0.01	N.D.
VIII	120	Tetraethyllead <sup>(1)</sup>	78-00-2	201-075-4	0.01	N.D.
VIII	121	Tetralead trioxide sulphate <sup>(1)</sup>	12202-17-4	235-380-9	0.01	N.D.
VIII	122	Trilead dioxide phosphonate <sup>(1)</sup>	12141-20-7	235-252-2	0.01	N.D.
VIII	123	Furan	110-00-9	203-727-3	0.01	N.D.
VIII	124	Propylene oxide; 1,2-epoxypropane;methyloxirane	75-56-9	200-879-2	0.01	N.D.
VIII	125	Diethyl sulphate	64-67-5	200-589-6	0.01	N.D.
VIII	126	Dimethyl sulphate	77-78-1	201-058-1	0.01	N.D.
VIII	127	3-Ethyl-2-methyl-2-(3-methylbutyl)- 1,3-oxazolidine	143860-04-2	421-150-7	0.01	N.D.
VIII	128	Dinoseb	88-85-7	201-861-7	0.01	N.D.
VIII	129	4,4'-Methylenedi-o-toluidine	838-88-0	212-658-8	0.005	N.D.
VIII	130	4,4'-Oxydianiline and its salts	101-80-4	202-977-0	0.005	N.D.
VIII	131	4-Aminoazobenzene	60-09-3	200-453-6	0.005	N.D.
VIII	132	4-Methyl-m-phenylenediamine (2,4-Toluene-diamine)	95-80-7	202-453-1	0.005	N.D.
VIII	133	6-Methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	0.005	N.D.
VIII	134	Biphenyl-4-ylamine	92-67-1	202-177-1	0.005	N.D.
VIII	135	o-Aminoazotoluene	97-56-3	202-591-2	0.005	N.D.

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Test result (Unit: %)

Batch No.	No.	SVHC	CAS number	EC number	DL	Test Result
VIII	136	o-Toluidine; 2-Aminotoluene	95-53-4	202-429-0	0.005	N.D.
VIII	137	N-methylacetamide	79-16-3	201-182-6	0.01	N.D.
VIII	138	1-Bromopropane; n-propyl bromide	106-94-5	203-445-0	0.01	N.D.
IX	139	Cadmium	7440-43-9	231-152-8	0.005	N.D.
IX	140	Cadmium oxide <sup>(1)</sup>	1306-19-0	215-146-2	0.005	N.D.
IX	141	Dipentyl phthalate (DPP)	131-18-0	205-017-9	0.005	N.D.
IX	142	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] <sup>(2)</sup>	—	—	0.01	N.D.
IX	143	Ammonium pentadecafluorooctanoate	3825-26-1	223-320-4	0.005	N.D.
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	0.005	N.D.
X	145	Cadmium sulphide <sup>(1)</sup>	1306-23-6	215-147-8	0.005	N.D.
X	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)	1937-37-7	217-710-3	0.01	N.D.
X	147	Dihexyl phthalate	84-75-3	201-559-5	0.005	N.D.

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Test result (Unit: %)

Batch No.	No.	SVHC	CAS number	EC number	DL	Test Result
X	148	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9	0.01	N.D.
X	149	Trixylyl phosphate	25155-23-1	246-677-8	0.05	N.D.
X	150	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	209-358-4	0.01	N.D.
X	151	Lead di(acetate) <sup>(1)</sup>	301-04-2	206-104-4	0.01	N.D.
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	0.005	N.D.
XI	153	Sodium perborate; perboric acid, sodium salt <sup>(1)</sup>	—	239-172-9 234-390-0	0.01	N.D.
XI	154	Sodium peroxometaborate <sup>(1)</sup>	7632-04-4	231-556-4	0.01	N.D.
XI	155	Cadmium chloride <sup>(1)</sup>	10108-64-2	233-296-7	0.01	N.D.
XII	156	2-(2'-Hydroxy-3',5'-di-tert-butylphenyl)benzotriazole (UV-320)	3846-71-7	223-346-6	0.01	N.D.
XII	157	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	0.01	N.D.
XII	158	2-Ethylhexyl-10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) <sup>(2)</sup>	15571-58-1	239-622-4	0.05	N.D.
XII	159	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 & MOTE) <sup>(2) (3)</sup>	—	—	0.05	N.D.

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Test result (Unit: %)

Batch No.	No.	SVHC	CAS number	EC number	DL	Test Result
XII	160	Cadmium fluoride <sup>(1)</sup>	7790-79-6	232-222-0	0.01	N.D.
XII	161	Cadmium sulphate <sup>(1)</sup>	10124-36-4 31119-53-6	233-331-6	0.01	N.D.
XIII	162	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate <sup>(2)</sup>	68515-51-5 68648-93-1	271-094-0 272-013-1	0.01	N.D.
XIII	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 isomers of [1] and [2] or any combination thereof] <sup>(2)</sup>	—	—	0.01	N.D.
XIV	164	1,3-Propanesultone	1120-71-4	214-317-9	0.01	N.D.
XIV	165	2,4-Di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	0.01	N.D.
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	0.01	N.D.
XIV	167	Nitrobenzene	98-95-3	202-716-0	0.01	N.D.
XIV	168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9)-heptafluorooctanoic acid and its sodium and ammonium salts <sup>(2)</sup>	375-95-1 21049-39-8 4149-60-4	206-801-3	0.005	N.D.
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	200-028-5	0.001	N.D.
XVI	170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	201-245-8	0.012	N.D.

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Test result (Unit: %)

Batch No.	No.	SVHC	CAS number	EC number	DL	Test Result
XVI	171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts <sup>(3)</sup>	3108-42-7 335-76-2 3830-45-3	— 206-400-3 221-470-5	0.005	N.D.
XVI	172	4-heptylphenol, branched and linear (4-HPbl) <sup>(3)</sup>	1987-50-4 Linear chain	217-862-0 Linear chain	0.012	N.D.
XVI	173	p-(1,1-dimethylpropyl) phenol	80-46-6	201-280-9	0.012	N.D.
XVII	174	Perfluorohexane-1-sulphonic acid and its salts	355-46-4	206-587-1	0.005	N.D.
XVIII	175	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination)	13560-89-9 135821-74-8 135821-03-3	236-948-9 — —	0.004	N.D.
XVIII	176	Benz[a]anthracene	56-55-3	200-280-6	0.005	N.D.
XVIII	177	Chrysene	218-01-9	205-923-4	0.005	N.D.
XVIII	178	Cadmium nitrate <sup>(1)</sup>	10325-94-7	233-710-6	0.01	N.D.
XVIII	179	Cadmium carbonate <sup>(1)</sup>	513-78-0	208-168-9	0.01	N.D.
XVIII	180	Cadmium hydroxide <sup>(1)</sup>	21041-95-2	244-168-5	0.01	N.D.
XVIII	181	Rreaction 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] <sup>(2)</sup>	—	—	0.04	N.D.
XIX	182	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride (trimellitic anhydride) (TMA)	552-30-7	209-008-0	0.012	N.D.
XIX	183	Dicyc-lohexyl phthalate (DCHP)	84-61-7	201-545-9	0.005	N.D.

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Test result (Unit: %)

Batch No.	No.	SVHC	CAS number	EC number	DL	Test Result
XIX	184	Benzo(g,h,i)Perylene	191-24-2	205-883-8	0.005	N.D.
XIX	185	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	0.01	N.D.
XIX	186	Disodium octaborate <sup>(1)</sup>	12008-41-2	234-541-0	0.01	N.D.
XIX	187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	0.01	N.D.
XIX	188	Ethylenediamine	107-15-3	203-468-6	0.01	N.D.
XIX	189	Lead	7439-92-1	209-136-7	0.01	N.D.
XIX	190	Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	0.01	N.D.
XIX	191	Terphenyl hydrogenated	61788-32-7	262-967-7	0.01	N.D.
XX	192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	0.012	N.D.
XX	193	Benzo[k]fluoranthene	207-08-9	205-916-6	0.005	N.D.
XX	194	Fluoranthene	206-44-0	205-912-4	0.005	N.D.
XX	195	Phenanthrene	85-01-8	201-581-5	0.005	N.D.
XX	196	Pyrene	129-00-0	204-927-3	0.005	N.D.
XX	197	1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one	15087-24-8	239-139-9	0.005	N.D.

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## Test Report (SVHC)

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### Note:

DL = Detection Limit

N.D. = Not Detected (<DL)

0.1 % = 1000 mg/kg = 1000 ppm

mg/kg = ppm

PBT = Persistent, bioaccumulative and toxic; vPvB = very Persistent very Bioaccumulative

- (1) The test result is the result of selected elements and calculated based on the worst situation.
- (2) In view of the substances are established as UVCB substances (substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances.
- (3) When tested substances contain variable compounds, the test results are calculated based on main constituents of the representative compounds for the substances. The test results of the representative compounds are calculated based on the result of specified heavy metal elements.
- (4) TGIC is a mixture and also contains  $\beta$ -TGIC. According to the ECHA's technical dossier the ratio of  $\beta$ -TGIC to TGIC is around 1 to 10. Therefore  $\beta$ -TGIC is issued based on the above-mentioned ratio.
- (5) The substance is considered as SVHC only when the concentration of Michler's ketone (CAS No.:90-94-8) or Michler's base (CAS No.:101-61-1) is more than 0.1% (w/w).

### Remarks:

- (1) The chemical analysis of specific SVHC is performed by means of currently available analytical. Techniques in the list published by ECHA as of 15 Jan. 2019 shall refer to:  
<https://echa.europa.eu/candidate-list-table>  
These documents are assessed by ECHA and may be changed in the future.
- (2) 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).
- (3) 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.
- (4) The test result in the report is based on test sample. If the sample is homogeneous, the result cannot represent the SVHC concentration in the finished product. These samples may also come from different articles if several homogeneous samples are tested after equal proportion mixed.
- (5) The mixing sample test was performed as client's request. Result obtained only gives informality value and does not represent individual sample material.
- (6) Dark Beige、Blue Color、Green Color、Purple Color、Dark Purple、Light Grey、Dark Grey、Pink Color、White Color、Black Color

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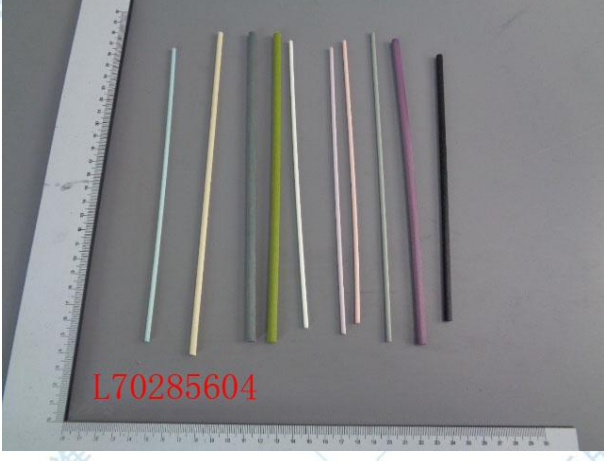
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Sample No. & Photo:



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**Test Report**  
(SVHC)

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Date: 2019.04.15

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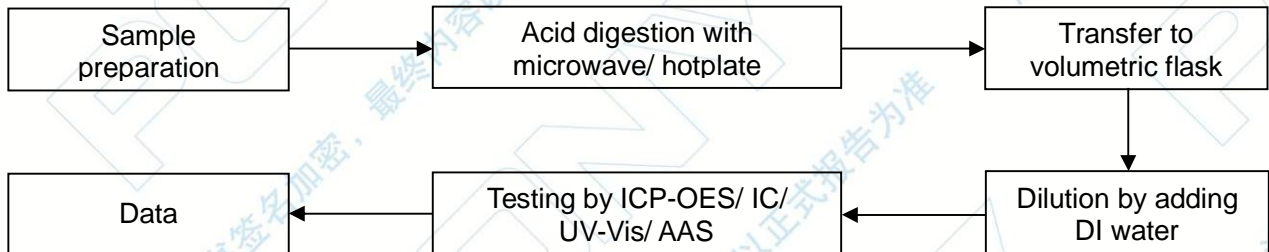
Measurement Flow-chart

Tested by: Shu Wei

Checked by: Jin Ling

Person in charge of the lab by: Cao Jia

- 1 Determination of triethyl arsenate/ cobalt dichloride/ diarsenic pentaoxide/ diarsenic trioxide/ sodium dichromate/ lead hydrogen arsenate/ lead chromate/ lead chromate molybdate sulphate red/ lead sulfochromate yellow/ boric acid/ disodium tetraborate, anhydrous/ tetraboron disodium heptaoxide, hydrate/ sodium chromate/ potassium chromate/ potassium dichromate/ ammonium dichromate/ cobalt(II) sulfate/ cobalt(II) dinitrate/ cobalt(II) carbonate/ cobalt(II) diacetate/ chromium trioxide/ chromium hemitrioxide and acid from it's oligomer/ strontium chromate/ hydrazine/ dichromium tris(chromate)/ potassium hydroxyoctaoxidizincatedichromate/ pentazinc chromate octahydroxide/ aluminosilicate refractory ceramic fibres/ zirconia aluminosilicate refractory ceramic fibres/ arsenic acid/ calcium arsenate/ trilead diarsenate/ lead diazide/ lead styphnate/ lead dipicrate/ diboron trioxide/ lead(II) bis(methanesulfonate)/ acetic acid, lead salt, basic/ basic lead carbonate/ lead oxide sulfate/ [phthalato(2-)] dioxotrilead/ dioxobis(stearato) trilead/ fatty acids, C16-18, lead salts C16-18/ lead bis(tetrafluoroborate)/ lead cyanamate/ lead dinitrate/ lead oxide/ lead tetroxide/ lead titanium trioxide/ lead titanium zirconium oxide/ pentalead tetraoxide sulphate/ pyrochlore, antimony lead yellow/ silicic acid, barium salt, lead-doped/ silicic acid, lead salt/ sulfurous acid, lead salt, dibasic/ tetraethyllead/ tetralead trioxide sulphate/ trilead dioxide phosphonate/ cadmium/ cadmium oxide/ cadmium sulphide/ lead di(acetate)/ sodium perborate; perboric acid, sodium salt/ sodium peroxometaborate/ cadmium chloride/ 2-ethylhexyl-10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) / 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 & MOTE)/ cadmium fluoride/ cadmium sulphate/ Cadmium nitrate/ Cadmium carbonate/ Cadmium hydroxide/ Disodium octaborate/ Lead



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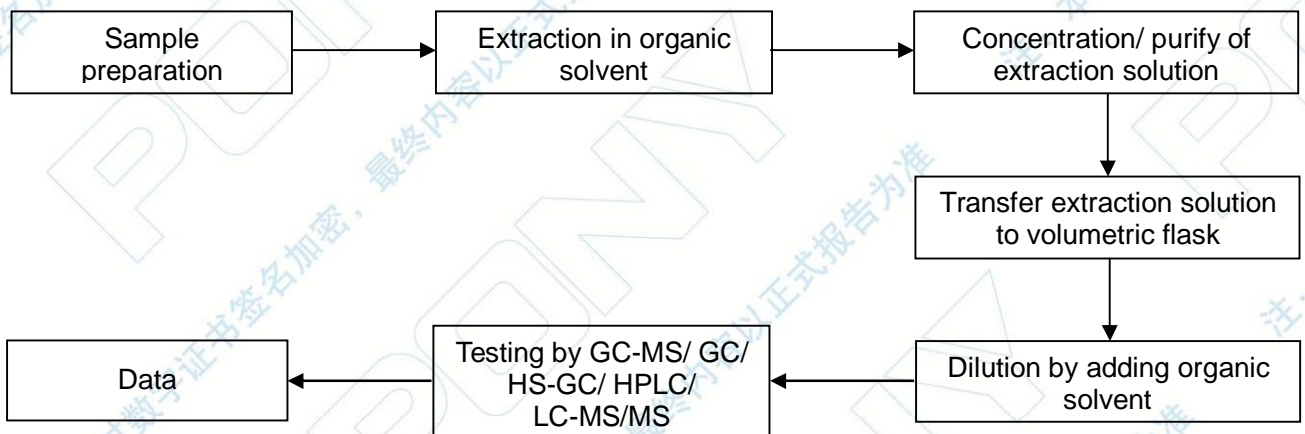
Measurement Flow-chart

Tested by: Shu Wei

Checked by: Jin Ling

Person in charge of the lab by: Cao Jia

- 2 Determination of anthracene/ benzyl butyl phthalate/ dibutyl phthalate/ bis(2-ethylhexyl) phthalate/ HBCDD/ 4,4'-diaminodiphenylmethane/ short chain chlorinated paraffins/ musk xylene/ bis(tributyltin) oxide/ 2,4-dinitrotoluene/ anthracene oil/ anthracene oil, anthracene paste, distn lights/ anthracene oil, anthracene paste, anthracene fraction/ anthracene oil, anthracene-low/ anthracene oil, anthracene paste / diisobutyl phthalate/ tris(2-chloroethyl) phosphate/ coal tar pitch, high temperature/ acrylamide/ trichloroethylene/ 2-methoxyethanol/ 2-ethoxyethanol/ 2-ethoxyethyl acetate/ 1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters/ 1-methyl-2-pyrrolidone/ 1,2,3-trichloropropane/ 1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich/ bis(2-methoxyethyl) phthalate/ 2-methoxyaniline/ 4-(1,1,3,3-tetramethylbutyl) phenol/ 1,2-dichloroethane/ bis(2-methoxyethyl) ether/ N,N-dimethylacetamide/ phenolphthalein/ 2,2'-dichloro-4,4'-methylenedianiline/ 1,2-bis(2-methoxyethoxy) ethane/ 1,2-dimethoxyethane ethylene glycol dimethyl ether/ formamide/ 1,3,5-tris(oxiranylmethyl) -1,3,5-triazine-2,4,6-(1H,3H,5H)-trione/ 1,3,5-tris[(2S and 2R)-2,3- epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione/ 4,4'-bis(dimethylamino) benzophenone/ N,N,N',N'-tetramethyl-4,4'-methylenedianiline/ [4-[4,4'-bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride/ [4-[[4-anilino-1-naphthyl] [4-(dimethylamino) phenyl] methylene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chlorid/  $\alpha,\alpha$ -bis[4-(dimethylamino) phenyl]-4(phenylamino) naphthalene-1-methanol/ 4,4'-bis(dimethylamino)-4''-(methylamino) trityl alcohol/ bis(pentabromophenyl) ether/ pentacosfluorotridecanoic acid/ tricosfluorododecanoic acid/



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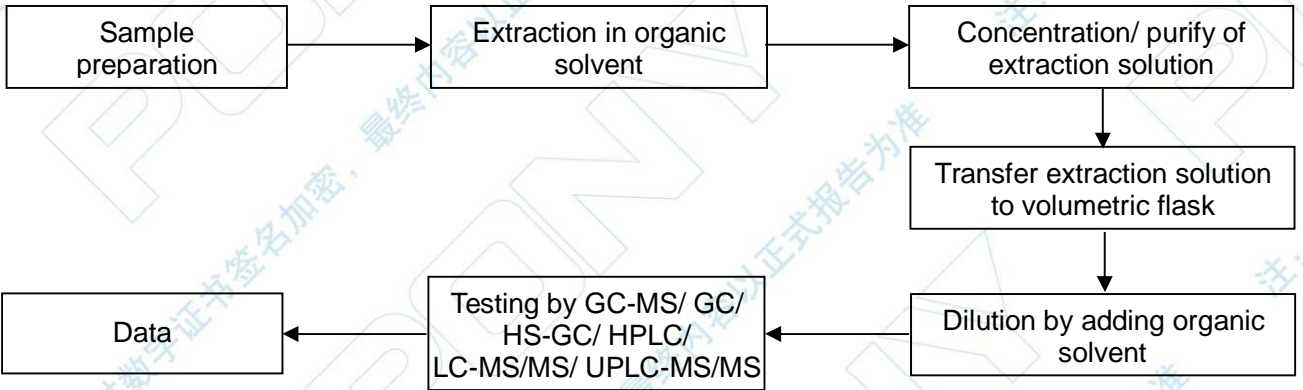
Measurement Flow-chart

Tested by: Shu Wei

Checked by: Jin Ling

Person in charge of the lab by: Cao Jia

- 3 Henicosafuoroundecanoic acid/ heptacosafuorotetradecanoic acid/ 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated-/ 4-nonylphenol, branched and linear -substances/ diazene-1,2-dicarboxamide/ cyclohexane-1,2-dicarboxylic, anhydride, cis-cyclohexane -1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride/determination of hexahydromethylphthalicanhydride, hexahydro-4- methylphthalicanhydride, hexahydro-1-methylphthalicanhydride, hexahydro-3-methylphthalicanhydride/ methoxy acetic acid/ 1,2-benzenedicarboxylic acid, dipentylester, branched and linear/ diisopentylphthalate/ n-pentyl -isopentylphthalate/ 1,2-diethoxyethane/ N,N-dimethylformamide/ dibutyltin dichloride/ [phthalato(2-)] dioxotrilead/ dioxobis(stearato) trilead/ fatty acids, C16-18, lead salts C16-18/ tetraethyllead/ furan/ propylene oxide; 1,2-epoxypropane;methyloxirane/ diethyl sulphate/ dimethyl sulphate/ 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine/ dinoseb/ 4,4'-methylenedi-o-toluidine/ 4,4'-oxydianiline and its salts/ 4-aminoazobenzene/ 4-methyl-m- phenylenediamine/ 6-methoxy-m- toluidine/ biphenyl-4-ylamine/ o-aminoazotoluene/ o-toluidine/ N-methylacetamide/ 1-bromopropane/dipentyl phthalate/ 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]/ ammonium pentadecafluorooctanoate,/ pentadecafluorooctanoic acid/ C.I. Direct Black 38/ Dihexyl phthalate/ imidazolidine-2-thione/ trixylyl phosphate/ C.I. Direct Red 28/ 1,2-benzenedicarboxylic acid, dihexyl ester, branched and linear



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**Test Report**  
(SVHC)

NO.: BNC49FWL70285604

Date: 2019.04.15

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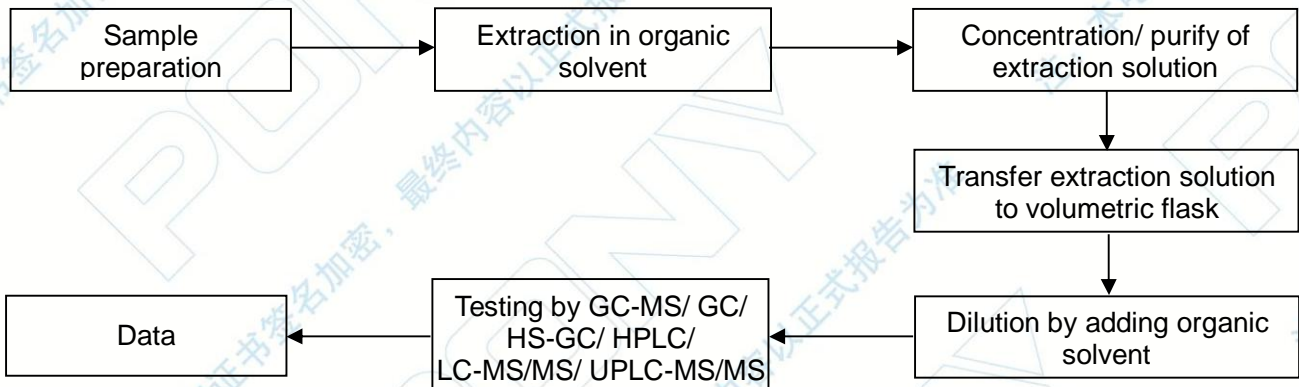
Measurement Flow-chart

Tested by: Shu Wei

Checked by: Jin Ling

Person in charge of the lab by: Cao Jia

- 4 2-(2'-Hydroxy- 3',5'-di-tert-butylphenyl)benzotriazole/ 2-(2h-benzotriazol-2-yl)-4, 6-ditertpentylphenol/ 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/ 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]/ 1,3-propanesultone/ UV-327/ UV-350/ nitrobenzene/ perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9) -heptadecafluorononanoic acid and its sodium and ammonium salts/benzo[def]chrysene (benzo[a]pyrene) /4,4'-isopropylidenediphenol/Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts/4-heptylphenol/branched and linear/ p-(1,1-dimethylpropyl) phenol/ perfluorohexane-1-sulphonic acid and its salts// Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)/Benz[a]anthracene/Chrysene/ 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]/ Benzene-1,2,4-tricarboxylic acid 1,2-anhydride (trimellitic anhydride) (TMA)/ Dicyc-lohexyl phthalate (DCHP)/ Benzo(g,h,i)Perylene/ Ethylenediamine/ Decamethylcyclotetrasiloxane(D5)/ Dodecamethylcyclohexasiloxane(D6)/ Terphenyl hydrogenated / Octamethylcyclotetrasiloxane(D4)/2,2-bis(4'-hydroxyphenyl)-4-methylpentane/Benzo[k]fluoranthene/Fluoranthene/Phenanthrene/Pyrene/1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one



\*\*\*End of Report\*\*\*