

TEST REPORT

Report No: MS240410029E-02

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Customer..... : PINSHENG ELECTRONICS (HK) CO., LIMITED

Address..... : Room 503, Introduction Building, Liuxian 2nd Road, District 71, Xingdong
Community, Xin'an Street, Bao'an District, Shenzhen

Sample name..... : Bare printed circuit board

Sample model..... : IEA 905-Y37-2-LF D (d gerbers)

Quantity of Sample.... : 20 pcs

Other description..... : /

★ The customer provides the above information ,to which the company assumes no responsibility for the authenticity.

Sample No..... : S240410049

Sample Received Date· : Apr.10.2024

Completion Date..... : Apr.18.2024

Report Issue Date : Apr.18.2024

Test Information:

No.	Item	Test Result
1	REACH SVHC 240+8 Review Substances+Resorcinol	See Appendix 2

Approved:

Shenzhen Meixin Testing Technology Co., Ltd.



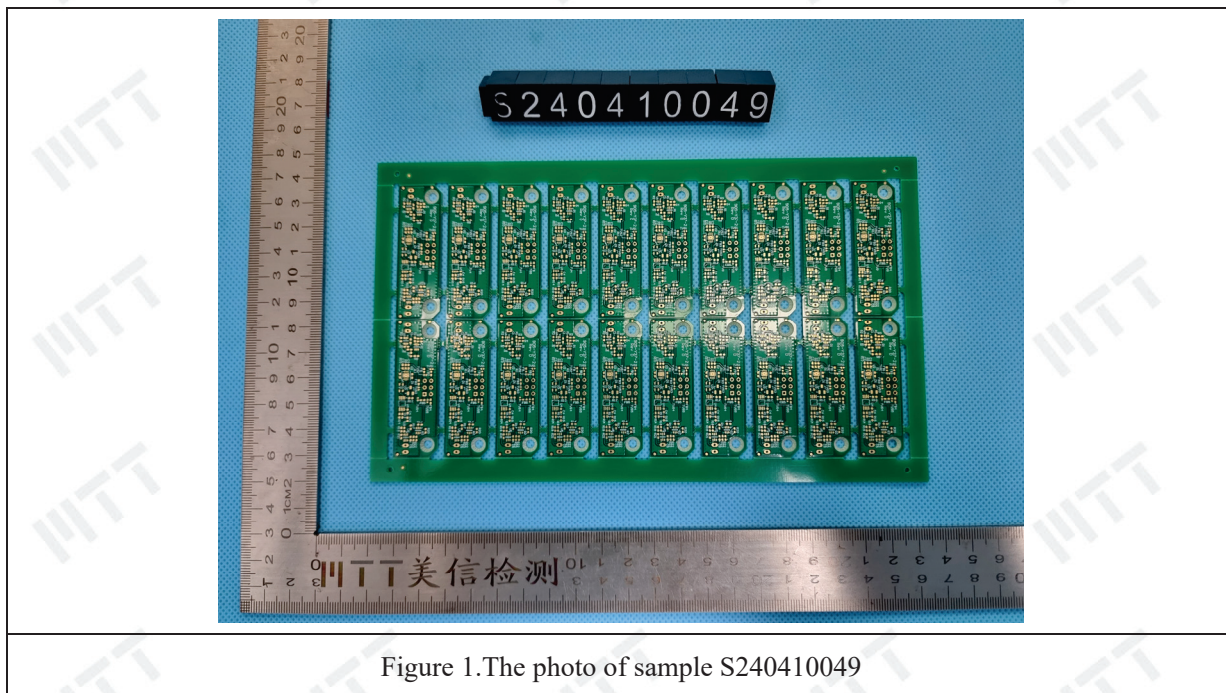
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Appendix 1

Sample Photos:



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Appendix 2

Test Item: REACH SVHC 240+8 Review Substances+Resorcinol

1. Environment Condition:

Temperature: 22.5°C; Relative humidity: 51%R.H;

2. Test Sample:

Sample No.	Sample name	Model	Quantity	Sample description
S240410049	Bare printed circuit board	IEA 905-Y37-2-LF D (d gerbers)	20 pcs	solid

3. Testing Standard:

Based on ASTM F2931-19 and in-house Method, using microwave digestion or solvent extraction methods, following analysis was performed by ICP-OES, GC-MS, IC, LC-MS, HPLC and UV.

4. Test Requested:

As specified by client, SVHC screening is performed according to:

- (i) Two hundred and forty (240) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jan. 23, 2024 regarding Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
- (ii) Two (2) potential Substances of Very High Concern (SVHC) proposed by European Chemicals Agency (ECHA) in Mar.1,2024.
- (iii) Another six (6) potential Substances of Very High Concern (SVHC) proposed by European Chemicals Agency (ECHA) in Oct. 2023.
- (vi) One (1) potential Substances of Very High Concern (SVHC) in the notification of WTO on Jun.1,2021.

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5. Test Results:

Sample No.	Batch	No.	Substance name	CAS No.	EC No.	RL (%)	Result (%)
S240410049	-	-	All tested SVHC in the candidate list	-	-	-	ND
	Judgment						Pass

Notes:

- 1.The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.
- 2.RL = Reporting Limit. All RL are based on homogenous material.
- ND = Not detected (lower than RL), ND is denoted on the SVHC substance.
- 3.* The test result is based on the calculation of selected element(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.
- 4.Composite test has been performed in equal proportion for the components/material per client requested. And the result is calculated using the minimum sample weight.
- 5.NA = Upon further test verification on the specific detected element(s) of SVHC and also information provided from client, the possibility that the element(s) content originate from SVHC is very unlikely, even though their presence cannot be excluded entirely. It may be assumed that the detected element(s) have a non-SVHC source.
6. The test is based on the applicant's request for mixed test, and the mixed test results in the report do not represent the content of individual single materials.

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Schedule: List of SVHC Substances / Reporting Limits

Batch	No.	Substance Name	CAS No.	EC No.	RL(%)
I	1	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	202-974-4	0.010
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk Xylene)	81- 15-2	201-329-4	0.010
I	3	Alkanes, C10- 13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	0.010
I	4	Anthracene	120- 12-7	204-371- 1	0.010
I	5	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	0.010
I	6	Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	204-211-0	0.010
I	7	Bis(tributyltin) oxide (TBTO)	56-35-9	200-268-0	0.010
I	8	Cobalt dichloride	7646-79-9	231-589-4	0.010
I	9	Diarsenic pentaoxide	1303-28-2	215- 116-9	0.010
I	10	Diarsenic trioxide	1327-53-3	215-481-4	0.010
I	11	Dibutyl phthalate (DBP)	84-74-2	201-557-4	0.010
I	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ - HBCDD)	25637-99-4 134237-50-6 134237-51-7 134237-52-8	247- 148-4 221-695-9	0.010
I	13	Lead hydrogen arsenate	7784-40-9	232-064-2	0.010
I	14	Sodium dichromate	10588-01-9 7789- 12-0	234- 190-3	0.010
I	15	Triethyl arsenate	15606-95-8	427-700-2	0.010
II	16	Acrylamide	79-06- 1	201- 173-7	0.010
II	17	2,4-dinitrotoluene	121- 14-2	204-450-0	0.010
II	18	Anthracene oil	90640-80-5	292-602-7	0.010
II	19	Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.010
II	20	Anthracene oil, anthracene paste, anthracene fraction	91995- 15-2	295-275-9	0.010
II	21	Anthracene oil, anthracene paste, distn. lights	91995- 17-4	295-278-5	0.010
II	22	Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.010
II	23	Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	0.010
II	24	Lead chromate	7758-97-6	231-846-0	0.010
II	25	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	235-759-9	0.010
II	26	Lead sulfochromate yellow (C.I. Pigment	1344-37-2	215-693-7	0.010

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Batch	No.	Substance Name	CAS No.	EC No.	RL(%)
		Yellow 34)			
II	27	Pitch, coal tar, high-temp.	65996-93-2	266-028-2	0.010
II	28	Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	204- 118-5	0.010
III	29	Ammonium dichromate	7789-09-5	232- 143- 1	0.010
III	30	Boric acid	11113-50- 1 10043-35-3	233- 139-2 234-343-4	0.010
III	31	Disodium tetraborate, anhydrous	12179-04-3 1303-96-4 1330-43-4	215-540-4	0.010
III	32	Potassium chromate	7789-00-6	232- 140-5	0.010
III	33	Potassium dichromate	7778-50-9	231-906-6	0.010
III	34	Sodium chromate	7775- 11-3	231-889-5	0.010
III	35	Tetraboron disodium heptaoxide, hydrate	12267-73- 1	235-541-3	0.010
III	36	Trichloroethylene	79-01-6	201- 167-4	0.010
IV	37	2-ethoxyethanol	110-80-5	203-804- 1	0.010
IV	38	2-methoxyethanol	109-86-4	203-713-7	0.010
IV	39	Acids generated from chromium trioxide and their oligomers	7738-94-5 13530-68-2	231-801-5 236-881-5	0.010
IV	40	Chromium trioxide	1333-82-0	215-607-8	0.010
IV	41	Cobalt (II) carbonate	513-79- 1	208- 169-4	0.010
IV	42	Cobalt (II) diacetate	71-48-7	200-755-8	0.010
IV	43	Cobalt (II) dinitrate	10141-05-6	233-402- 1	0.010
IV	44	Cobalt (II) sulphate	10124-43-3	233-334-2	0.010
V	45	1,2,3-trichloropropane	96- 18-4	202-486- 1	0.010
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	276- 158- 1	0.010
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	271-084-6	0.010
V	48	1-Methyl-2-pyrrolidone (NMP)	872-50-4	212-828- 1	0.010
V	49	2-ethoxyethyl acetate	111- 15-9	203-839-2	0.010
V	50	Hydrazine	302-01-2 7803-57-8	206- 114-9	0.010
V	51	Strontium chromate	7789-06-2	232- 142-6	0.010
VI	52	1,2-dichloroethane	107-06-2	203-458- 1	0.010

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Batch	No.	Substance Name	CAS No.	EC No.	RL(%)
VI	53	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.010
VI	54	2-Methoxyaniline, o-Anisidine	90-04-0	201-963-1	0.010
VI	55	4-(1,1,3,3-tetramethylbutyl) phenol	140-66-9	205-426-2	0.010
VI	56	Aluminosilicate Refractory Ceramic Fibres	-	-	0.010
VI	57	Arsenic acid	7778-39-4	231-901-9	0.010
VI	58	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.010
VI	59	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	0.010
VI	60	Calcium arsenate	7778-44-1	231-904-5	0.010
VI	61	Dichromium tris(chromate)	24613-89-6	246-356-2	0.010
VI	62	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	500-036-1	0.010
VI	63	Lead diazide, Lead azide	13424-46-9	236-542-1	0.010
VI	64	Lead dipicrate	6477-64-1	229-335-2	0.010
VI	65	Lead styphnate	15245-44-0	239-290-0	0.010
VI	66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	0.010
VI	67	Pentazinc chromate octahydroxide	49663-84-5	256-418-0	0.010
VI	68	Phenolphthalein	77-09-8	201-004-7	0.010
VI	69	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	234-329-8	0.010
VI	70	Trilead diarsenate	3687-31-8	222-979-5	0.010
VI	71	Zirconia Aluminosilicate Refractory Ceramic Fibres	-	-	0.010
VII	72	1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)	112-49-2	203-977-3	0.010
VII	73	1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.010
VII	74	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazine-2,4,6-trione (TGIC)	2451-62-9	219-514-3	0.010
VII	75	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC)	59653-74-6	423-400-0	0.010
VII	76	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2	0.010
VII	77	4,4'-bis(dimethylamino)benzophenone	90-94-8	202-027-5	0.010

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Batch	No.	Substance Name	CAS No.	EC No.	RL(%)
		(Michler's ketone)			
VII	78	[4-[4,4'-bis(dimethylamino) benzhydrylidene] cyclohexa-2,5- dien- 1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3) with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	548-62-9	208-953-6	0.010
VII	79	[4-[[4-anilino- 1-naphthyl] [4-(dimethylamino) phenyl] methylene] cyclohexa-2,5-dien- 1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	2580-56-5	219-943-6	0.010
VII	80	Diboron trioxide	1303-86-2	215- 125-8	0.010
VII	81	Formamide	75- 12-7	200-842-0	0.010
VII	82	Lead(II) bis(methanesulfonate)	17570-76-2	401-750-5	0.010
VII	83	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61- 1	202-959-2	0.010
VII	84	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene- 1-methanol (C.I. Solvent Blue 4) with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	6786-83-0	229-851-8	0.010
VIII	85	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	84777-06-0	284-032-2	0.010
VIII	86	1,2-diethoxyethane	629- 14- 1	211-076- 1	0.010
VIII	87	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	0.010
VIII	88	3-ethyl-2-methyl-2-(3-methylbutyl)- 1,3-oxazolidine	143860-04-2	421- 150-7	0.010
VIII	89	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	0.010
VIII	90	4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.010
VIII	91	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	9002-93- 1	-	0.010
VIII	92	4-aminoazobenzene	60-09-3	200-453-6	0.010

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Batch	No.	Substance Name	CAS No.	EC No.	RL(%)
VIII	93	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453- 1	0.010
VIII	94	4-Nonylphenol, branched and linear	-	-	0.010
VIII	95	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204 -419 -1	0.010
VIII	96	[Phthalato(2-)]dioxotrilead	69011-06-9	273 -688 -5	0.010
VIII	97	Acetic acid, lead salt, basic	51404-69-4	257- 175-3	0.010
VIII	98	Biphenyl-4-ylamine	92-67- 1	202- 177- 1	0.010
VIII	99	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163- 19-5	214-604-9	0.010
VIII	100	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	0.010
VIII	101	Diazene- 1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	123-77-3	204-650-8	0.010
VIII	102	Dibutyltin dichloride (DBTC)	683- 18- 1	211-670-0	0.010
VIII	103	Diethyl sulphate	64-67-5	200-589-6	0.010
VIII	104	Diisopentyl phthalate (DIPP)	605-50-5	210-088-4	0.010
VIII	105	Dimethyl sulphate	77-78- 1	201-058- 1	0.010
VIII	106	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	0.010
VIII	107	Dioxobis(stearato)trilead	12578- 12-0	235-702-8	0.010
VIII	108	Fatty acids, C16- 18, lead salts	91031-62-8	292-966-7	0.010
VIII	109	Furan	110-00-9	203-727-3	0.010
VIII	110	Henicosaf fluoroundecanoic acid	2058-94-8	218- 165-4	0.010
VIII	111	Heptacosaf fluorotetradecanoic acid	376-06-7	206-803-4	0.010
VIII	112	Hexahydromethylphthalic anhydride Hexahydro-3-methylphthalic anhydride Hexahydro-4-methylphthalic anhydride Hexahydro- 1-methylphthalic anhydride	25550-51-0 57110-29-9 19438-60-9 48122- 14- 1	25550-51-0 260-566- 1 243-072-0 256-356-4	0.010
VIII	113	Lead bis(tetrafluoroborate)	13814-96-5	237-486-0	0.010
VIII	114	Lead cyanamidate	20837-86-9	244-073-9	0.010
VIII	115	Lead dinitrate	10099-74-8	233-245-9	0.010
VIII	116	Lead monoxide (lead oxide)	1317-36-8	215-267-0	0.010
VIII	117	Lead oxide sulfate	12036-76-9	234-853-7	0.010
VIII	118	Lead titanium trioxide	12060-00-3	235-038-9	0.010

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Batch	No.	Substance Name	CAS No.	EC No.	RL(%)
VIII	119	Lead titanium zirconium oxide	12626-81-2	235-727-4	0.010
VIII	120	Methoxyacetic acid	625-45-6	210-894-6	0.010
VIII	121	Methyloxirane (Propylene oxide).	75-56-9	200-879-2	0.010
VIII	122	N,N-dimethylformamide (DMF)	68- 12-2	200-679-5	0.010
VIII	123	N-methylacetamide	79- 16-3	201- 182-6	0.010
VIII	124	N-pentyl-isopentylphthalate (iPnP)	776297-69-9	-	0.010
VIII	125	o-aminoazotoluene	97-56-3	202-591-2	0.010
VIII	126	o-toluidine	95-53-4	202-429-0	0.0100
VIII	127	Orange lead (lead tetroxide)	1314-41-6	215-235-6	0.010
VIII	128	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	0.010
VIII	129	Pentalead tetraoxide sulphate	12065-90-6	235-067-7	0.010
VIII	130	Pyrochlore, antimony lead yellow	8012-00-8	232-382- 1	0.010
VIII	131	Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-doped	68784-75-8	272-271-5	0.010
VIII	132	Silicic acid, lead salt	11120-22-2	234-363-3	0.010
VIII	133	Sulfurous acid, lead salt, dibasic	62229-08-7	263-467- 1	0.010
VIII	134	Tetraethyllead	78-00-2	201-075-4	0.010
VIII	135	Tetralead trioxide sulphate	12202- 17-4	235-380-9	0.010
VIII	136	Tricosafuorododecanoic acid	307-55- 1	206-203-2	0.010
VIII	137	Trilead bis(carbonate) dihydroxide	1319-46-6	215-290-6	0.010
VIII	138	Trilead dioxide phosphonate	12141-20-7	235-252-2	0.010
IX	139	4-Nonylphenol, branched and linear, ethoxylated	-	-	0.010
IX	140	Ammonium pentadecafluorooctanoate (APFO)	3825-26- 1	223-320-4	0.010
IX	141	Cadmium	7440-43-9	231- 152-8	0.010
IX	142	Cadmium oxide	1306- 19-0	215- 146-2	0.010
IX	143	Dipentyl phthalate (DPP)	131- 18-0	205-017-9	0.010
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67- 1	206-397-9	0.010
X	145	Cadmium sulphide	1306-23-6	215- 147-8	0.010
X	146	Dihexyl phthalate (DNHP)	84-75-3	215- 147-8	0.010
X	147	Disodium,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene- 1-sulphonate) (C.I. Direct Red 28)	573-58-0	209-358-4	0.010
X	148	Disodium	1937-37-7	217-710-3	0.010

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Batch	No.	Substance Name	CAS No.	EC No.	RL(%)
		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)			
X	149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9	0.010
X	150	Lead di(acetate)	301-04-2	206-104-4	0.010
X	151	Trixylyl phosphate	25155-23-1	246-677-8	0.010
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	0.010
XI	153	Cadmium chloride	10108-64-2	233-296-7	0.010
XI	154	Sodium perborate, perboric acid, sodium salt	-	-	0.010
XI	155	Sodium peroxometaborate	7632-04-4	231-556-4	0.010
XII	156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	0.010
XII	157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	0.010
XII	158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	0.010
XII	159	Cadmium fluoride	7790-79-6	232-222-0	0.010
XII	160	Cadmium sulphate	10124-36-4, 31119-53-6	233-331-6	0.010
XII	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)	-	-	0.010
XIII	162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyldiesters	68515-51-5	271-094-0	0.010
XIII	163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1],	-	-	0.010

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Batch	No.	Substance Name	CAS No.	EC No.	RL(%)
		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			
XIV	164	1,3-propanesultone	1120-71-4	214-317-9	0.010
XIV	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV- 327)	3864-99- 1	223-383-8	0.010
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	253-037- 1	0.010
XIV	167	Nitrobenzene	98-95-3	202-716-0	0.010
XIV	168	Perfluorononan- 1-oic-acid and its sodium and ammonium salts	375-95- 1 21049-39-8 4149-60-4	206-801-3 - -	0.010
XV	169	Benzo[a]pyrene	50-32-8	200-028-5	0.010
XVI	170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	201-245-8	0.010
XVI	171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3830-45-3 3108-42-7	206-400-3 - 221-470-5	0.010
XVI	172	4-Heptylphenol, branched and linear (4-HPbl)	-	-	0.010
XVI	173	p-(1,1-dimethylpropyl) phenol (PTAP)	80-46-6	201-280-9	0.010
XVII	174	Perfluorohexane- 1-sulphonic acid and its salts (PFHxS)	-	-	0.010
XVIII	175	Benz[a]anthracene	56-55-3	200-280-6	0.010
XVIII	176	Cadmium carbonate	513-78-0	208- 168-9	0.010
XVIII	177	Cadmium hydroxide	21041-95-2	244- 168-5	0.010
XVIII	178	Cadmium nitrate	10325-94-7	233-710-6	0.010
XVIII	179	Chrysene	218-01-9	205-923-4	0.010
XVIII	180	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloro pentacyclo[12.2.1.16,9 .02,13 .05,10]octadeca - 7,15-diene (“Dechlorane Plus”TM) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	-	0.010
XVIII	181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione,formaldehyde and 4-heptylphenol, branched and linear	-	-	0.010

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Batch	No.	Substance Name	CAS No.	EC No.	RL(%)
		(RP- HP) [with $\geq 0.1\%$ w/w 4-heptylphenol, branched and linear]			
XIX	182	Octamethylcyclotetrasiloxane (D4)	556-67-2	209- 136-7	0.010
XIX	183	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	0.010
XIX	184	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	0.010
XIX	185	Lead *	7439-92- 1	231- 100-4	0.010
XIX	186	Disodium octaborate *	12008-41-2	234-541-0	0.010
XIX	187	Benzo[ghi]perylene	191-24-2	205-883-8	0.010
XIX	188	Terphenyl, hydrogenated	61788-32-7	262-967-7	0.010
XIX	189	Ethylenediamine (EDA)	107- 15-3	203-468-6	0.010
XIX	190	Benzene- 1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	209-008-0	0.010
XIX	191	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	0.010
XX	192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807- 17-6	401-720- 1	0.010
XX	193	Benzo[k]fluoranthene	207-08-9	205-916-6	0.010
XX	194	Fluoranthene	206-44-0	205-912-4	0.010
XX	195	Phenanthrene	85-01-8	201-581-5	0.010
XX	196	Pyrene	129-00-0	204-927-3	0.010
XX	197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2 .2.1]heptan-2- one(3-benzylidene camphor; 3-BC)	15087-24-8	239- 139-9	0.010
XXI	198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) (HFPO-DA)	-	-	0.010
XXI	199	2-methoxyethyl acetate	110-49-6	203-772-9	0.010
XXI	200	4-tert-butylphenol	98-54-4	202-679-0	0.010
XXI	201	Tris (4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	0.010
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313- 12- 1	404-360-3	0.010
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868- 10-5	400-600-6	0.010

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Batch	No.	Substance Name	CAS No.	EC No.	RL(%)
XXII	204	Diisohexyl phthalate	71850-09-4	276-090-2	0.010
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	0.010
XXIII	206	1-vinylimidazole	1072-63-5	214-012-0	0.010
XXIII	207	2-methylimidazole	693-98-1	211-765-7	0.010
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	202-318-7	0.010
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	245-152-0	0.010
XXIV	210	bis(2-(2-methoxyethoxy) ethyl) ether	143-24-8	205-594-7	0.010
XXIV	211	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	3648-18-8 91648-39-4	222-883-3 293-901-5	0.010
XXV	212	1,4-dioxane	123-91-1	204-661-8	0.010
XXV	213	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	221-967-7 253-057-0 - 202-480-9	0.010
XXV	214	2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers	-	-	0.010
XXV	215	4,4'-(1-methylpropylidene) bisphenol; (Bisphenol B)	77-40-7	201-025-1	0.010
XXV	216	Glutaral	111-30-8	203-856-5	0.010
XXV	217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain length within the range from C14 to C17]	-	-	0.010
XXV	218	Orthoboric acid, sodium salt	13840-56-7	237-560-2	0.010
XXV	219	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)	-	-	0.010

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Batch	No.	Substance Name	CAS No.	EC No.	RL(%)
XXVI	220	(±)- 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)	-	-	0.010
XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47- 1	204-327- 1	0.010
XXVI	222	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	401-850-9	0.010
XXVI	223	tris(2-methoxyethoxy) vinylsilane	1067-53-4	213-934-0	0.010
XXVII	224	N-(Hydroxymethyl)acrylamide	924-42-5	213- 103-2	0.010
XXVIII	225	1,1'-[ethane- 1,2-diylbisoxy] bis[2,4,6-tribromobenzene]	37853-59- 1	253-692-3	0.010
XXVIII	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	201-236-9	0.010
XXVIII	227	4,4'-sulphonyldiphenol	80-09- 1	201-250-5	0.010
XXVIII	228	Barium diboron tetraoxide	13701-59-2	237-222-4	0.010
XXVIII	229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	-	0.010
XXVIII	230	Isobutyl 4-hydroxybenzoate	4247-02-3	224-208-8	0.010
XXVIII	231	Melamine	108-78- 1	203-615-4	0.010
XXVIII	232	Perfluoroheptanoic acid and its salts	-	-	0.010
XXVIII	233	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	-	473-390-7	0.010
XXIX	234	Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide	75980-60-8	278-355-8	0.010
XXIX	235	Bis(4-chlorophenyl) sulphone	80-07-9	201-247-9	0.010
XXX	236	Bumetrizole	3896-11-5	223-445-4	0.010
XXX	237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol	3147-75-9	221-573-5	0.010

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Batch	No.	Substance Name	CAS No.	EC No.	RL(%)
XXX	238	2-(Dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(4-morpholinyl)phenyl]-1-butanone	119344-86-4	438-340-0	0.010
XXX	239	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	700-960-7	0.010
XXX	240	2,4,6-tri-tert-butylphenol	732-26-3	211-989-5	0.010
Add 1	241	Triphenyl phosphate	115-86-6	204-112-2	0.010
Add 1	242	Bis(α, α-dimethylbenzyl) peroxide	80-43-3	201-279-3	0.010
Add 2	243	Hexametyldisiloxane	107-46-0	203-492-7	0.010
Add 2	244	Dodecamethylpentasiloxane	141-63-9	205-492-2	0.010
Add 2	245	Decamethyltetrasiloxane	141-62-8	205-491-7	0.010
Add 2	246	1,1,1,3,5,5,5-heptamethyltrisiloxane	1873-88-7	217-496-1	0.010
Add 2	247	1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	17928-28-8	241-867-7	0.010
Add 2	248	Octamethyltrisiloxane	107-51-7	203-497-4	0.010
Add 3	249	Resorcinol	108-46-3	203-585-2	0.010

Remark:

1.The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA: <https://echa.europa.eu/candidate-list-table> These lists are under evaluation by ECHA and may subject to change in the future.

2. Concerning article(s):

Article 33 of REACH 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.

Any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7 of Regulation (EC) 1907/2006, 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 above a concentration of 0.1% weight by weight (w/w) ; and (b) the substance in the Candidate Li

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st is present in those articles in quantities totaling over one tone per producer or importer per year.

3. Concerning substance and preparation:

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.

4.If a SVHC is found over the reporting limit (RL), 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.

*** End of Report ***

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6. The result(s) in this report are used for the purpose of corporate internal product research and development, quality control, scientific research, teaching, etc.
7. If there is any objection to the result(s) of this report, it shall submit it in writing to the company within 15 days from the date of issue of the report. Overdue will automatically be deemed to acknowledge the result(s) of this report.