Test Report

Report No.: STL2024030407E **Report Date: 2024-03-07** **Page: 1 of 29**

Applicant : DONGGUAN YICHANGSHENG(YONGXIE) MATALLIC MATERIAL CO., LTD

Address : Xiaobian Xinhe Industrial Park, Chang'an Town, Dongguan City, Guangdong

The following merchaN.Dise was submitted aN.D identified by client as:

Sample Name : Aluminum Alloy

Order No. : /

Style No. :
(1) 1050, 1060,1070,1100,1200,1230，1235，1A50
(2) 2A12, 2024, 2219, 2A50, 2A14, 2017, 2014，2524,2519,2A02,2A43
(3) 3003, 3004, 3005,3103,3104,3105, 3A21,3N03
(4) 4004, 4045, 4343,4012，4017
(5) 5A12,5005,5005A,5A05,5A06,5052,5059,5056,5083,5086,5252,5454,5456,5457，5049,5754, 5154, 5182,5251,5183,5383,5AN6,5N83, 5A02, 5A03,5N52 ,5N82,1561
(6) 6013，6014,6016,6005,6005A,6008,6082,6061,6063,6101,6A02,6463, 6111,6R01, 6056,6060,6N61,6N63,6N13,6A63,6G02,6G14,6G16
(7) 7015,7020,7021,7046,7146,7050,7055,7072,7075,7150,7175,7A01,7A04,7A09, 7A52,7085, 7A85, 7B05, 7B50, 7N01, 7N21, 7N75, 7S26,7S26-1,7S26-2,7003,7A99 7N31,7N41,7N51,7N61,7475, 7A05,7G75
(8) ZOT1 、ZOT2、 ZOT3 、ZOT4 、ZOT5、ZOT6 、ZOT7、 ZOT8 、ZOT9、YOT1 、YOT2、YOT3、YOT4、 YOT5、SPC-1、SPM1

Number of Sample : 2PCS

Received Date : 2024-03-04

Tested Date: : 2024-03-04 To 2024-03-07

Test Request : 1. 240 Substances of Very High Concern (SVHC)

Approved: Raymond

Technical Director

Guangzhou STL Testing Technology Co., LTD 广州市顺通检测科技有限公司 STL 检测报告专用章 Special chapter for testing report

Test Report

Test Requested and Conclusion(s):

No.	Test Sample	Standard and Requirement	Conclusion(s)
1	Submitted sample	Based on the list published by European Chemicals Agency (ECHA) public consultation, regarding Regulation (EC) No. 1907/2006 concerning the REACH - 240 Substances of Very High Concern (SVHC)	LOWER than 0.1%

Test Report

Test Result(s)

Substances List 1 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
Alkanes, C10-13, chloro (Short ChainChlorinated Paraffins)	85535-84-8	GC-MS	0.01	N.D
Anthracene	120-12-7	GC-MS	0.005	N.D
Benzyl butyl phthalate (BBP)	85-68-7	GC-MS	0.005	N.D
Bis[2-ethyl(hexyl)phthalate] (DEHP)	117-81-7	GC-MS	0.005	N.D
Bis(tributyltin)oxide (TBTO)	56-35-9	GC-MS	0.005	N.D
Cobalt dichloride△	7646-79-9	ICP-OES/ IC-ECD	0.005	N.D
Diarsenic pentaoxide△	1303-28-2	ICP-OES	0.005	N.D
Diarsenic trioxide△	1327-53-3	ICP-OES	0.005	N.D
Dibutyl phthalate (DBP)	84-74-2	GC-MS	0.005	N.D
4, 4′- Diaminodiphenylmethane	101-77-9	GC-MS	0.005	N.D
5-tert-butyl-2,4,6-trinitro-m- xylene (Musk xylene)	81-15-2	GC-MS	0.005	N.D
Hexabromocyclododecane (HBCDD) and diastereoisomers (α-HBCDD, β-HBCDD, γ- HBCDD）	25637-99-4, 3194-55-6 (134237-50-6, 134237-51-7, 134237-52-8)	GC-MS	0.005	N.D
Lead hydrogen arsenate△	7784-40-9	ICP-OES	0.005	N.D
Sodium dichromate△	10588-01-9, 7789-12-0	ICP-OES/ UV-Vis	0.005	N.D
Triethyl arsenate△	15606-95-8	ICP-OES	0.005	N.D

Note:

1. The chemical analysis of 15 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Oct. 28, 2008 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp
2. "△" = Determination was based on elemental analysis. The concentration was calculated based on assumption of worst-case.

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Substances List 2 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
Anthracene oil	90640-80-5	GC-MS	0.005	N.D
Anthracene oil, anthracene paste, distn. lights	91995-17-4	GC-MS	0.005	N.D
Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	GC-MS	0.005	N.D
Anthracene oil, anthracene-low	90640-82-7	GC-MS	0.005	N.D
Anthracene oil, anthracene paste	90640-81-6	GC-MS	0.005	N.D
Coal tar pitch, high temperature	65996-93-2	GC-MS	0.005	N.D
Acrylamide	79-06-1	GC-MS	0.005	N.D
2,4-Dinitrotoluene	121-14-2	GC-MS	0.005	N.D
Diisobutyl phthalate(DIBP)	84-69-5	GC-MS	0.005	N.D
Lead chromate△	7758-97-6	ICP-OES/ UV-Vis	0.005	N.D
Lead chromate molybdate Sulphate red (C.I. Pigment Red 104) △	12656-85-8	ICP-OES/ UV-Vis	0.005	N.D
Lead sulfochromate yellow (C.I. Pigment Yellow 34) △	1344-37-2	ICP-OES/ UV-Vis	0.005	N.D
Tris(2-chloroethyl) phosphate	115-96-8	GC-MS	0.005	N.D

Note:

1. The chemical analysis of 13 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Jan. 13, 2010 & Mar. 30, 2010 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp
2. "△" = Determination was based on elemental analysis. The concentration was calculated based on assumption of worst-case.

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Substances List 3 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
Trichloroethylene	79-01-6	GC-MS	0.005	N.D
Boric acid△	10043-35-3/ 11113-50-1	ICP-OES	0.005	N.D
Disodium tetraborate, anhydrous△	1330-43-4 12179-04-3 1303-96-4	ICP-OES	0.005	N.D
Tetraboron disodium heptaoxide, hydrate△	12267-73-1	ICP-OES	0.005	N.D
Sodium chromate△	7775-11-3	ICP-OES/ UV-Vis	0.005	N.D
Potassium chromate△	7789-00-6	ICP-OES/ UV-Vis	0.005	N.D
Ammonium dichromate△	7789-09-5	ICP-OES/ UV-Vis	0.005	N.D
Potassium dichromate△	7778-50-9	ICP-OES/ UV-Vis	0.005	N.D

Note:

1. The chemical analysis of 8 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Jun. 18, 2010 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp
2. "△" = Determination was based on elemental analysis. The concentration was calculated based on assumption of worst-case.

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Substances List 4 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
Cobalt(II) sulphate△	10124-43-3	ICP-OES	0.005	N.D
Cobalt(II) dinitrate△	10141-05-6	ICP-OES	0.005	N.D
Cobalt(II) carbonate△	513-79-1	ICP-OES	0.005	N.D
Cobalt(II) diacetate△	71-48-7	ICP-OES	0.005	N.D
2-Methoxyethanol	109-86-4	GC-MS	0.005	N.D
2-Ethoxyethanol	110-80-5	GC-MS	0.005	N.D
Chromium trioxide△	1333-82-0	ICP-OES/ UV-Vis	0.005	N.D
Acids generated from chromium trioxide and their oligomers: **Chromium acid△** **Dichromium acid△** **Oligomers of chromic acid and dichromic acid△**	-- 7738-94-5 13530-68-2 --	ICP-OES/ UV-Vis	0.005	N.D

Note:

1. The chemical analysis of 8 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Dec. 3, 2010 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp
2. "△" = Determination was based on elemental analysis. The concentration was calculated based on assumption of worst-case.

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Substances List 5 and Result(s):

Substance Name	CAS No.	Equipments	RL (%)	Result (%)
				1
2-ethoxyethylacetate	111-15-9	GC-MS	0.005	N.D
1,2-Benzenedicarboxylic acid, di-C7-11 branchedand linear alkyl esters (DHNUP)	68515-42-4	GC-MS	0.005	N.D
Hydrazine	7803-57-8, 302-01-2	UV-Vis	0.005	N.D
1-methyl-2-pyrrolidone	872-50-4	GC-MS	0.005	N.D
1,2,3-trichloropropane	96-18-4	GC-MS	0.005	N.D
1, 2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	GC-MS	0.005	N.D
Strontium chromate△	7789-06-2	ICP-OES/ UV-Vis	0.005	N.D

Note:

1. The chemical analysis of 7 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Feb. 21, 2011 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp
2. "△" = Determination was based on elemental analysis. The concentration was calculated based on assumption of worst-case.

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Substances List 6 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
Dichromium tris(chromate)△	24613-89-6	ICP-OES / UV-Vis	0.005	N.D
Potassium hydroxyoctaoxodizincatedi-chromate△	11103-86-9	ICP-OES	0.005	N.D
Pentazinc chromate octahydroxide△	49663-84-5	ICP-OES/ UV-Vis	0.005	N.D
Aluminiosilicate, Refractory Ceramic Fibres (RCF)△	--	ICP-OES	0.005	N.D
Zirconia Aluminosilicate, Refractory Ceramic Fibres (Zr-RCF)△	--	ICP-OES	0.005	N.D
Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	GC-MS	0.005	N.D
Bis(2-methoxyethyl) phthalate	117-82-8	GC-MS	0.005	N.D
2-Methoxyaniline; o-Anisidine	90-04-0	GC-MS	0.005	N.D
4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	GC-MS	0.005	N.D
1,2-Dichloroethane	107-06-2	GC-MS	0.005	N.D
Bis(2-methoxyethyl) ether	111-96-6	GC-MS	0.005	N.D
Arsenic acid△	7778-39-4	ICP-OES	0.005	N.D
Calcium arsenate△	7778-44-1	ICP-OES	0.005	N.D
Trilead diarsenate△	3687-31-8	ICP-OES	0.005	N.D
N,N-dimethylacetamide (DMAC)	127-19-5	GC-MS	0.005	N.D
2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	GC-MS	0.005	N.D
Phenolphthalein	77-09-8	GC-MS	0.005	N.D
Lead azide Lead diazide△	13424-46-9	ICP-OES	0.005	N.D
Lead styphnate△	15245-44-0	ICP-OES	0.005	N.D
Lead dipicrate△	6477-64-1	ICP-OES	0.005	N.D

Note:

1. The chemical analysis of 20 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Dec.19, 2011 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp
2. "△" = Determination was based on elemental analysis. The concentration was calculated based on assumption of worst-case.

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Substances List 7 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
Methoxyethoxy ethane (TEGDME; triglyme)	112-49-2	GC-MS	0.005	N.D
1,2-dimethoxyethane; ethylene glycol dimethyl ether(EGDME)	110-71-4	GC-MS	0.005	N.D
Diboron trioxide△	1303-86-2	ICP-OES	0.005	N.D
Formamide	75-12-7	GC-MS	0.005	N.D
Lead(II) bis(methanesulfonate)△	17570-76-2	ICP-OES	0.005	N.D
1,3,5-tris (oxiranylmethyl) -1,3,5 -triazine-2,4,6 (1H,3H,5H)-trione (TGIC)	2451-62-9	GC-MS	0.005	N.D
1,3,5-tris [(2Sand2R)-2,3 -epoxypropyl] -1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	GC-MS	0.005	N.D
4,4'-bis (dimethylamino) benzophenone (Michler's ketone)	90-94-8	GC-MS	0.005	N.D
N,N,N',N'-tetramethyl-4,4'-methylene dianiline (Michler's base)	101-61-1	GC-MS	0.005	N.D
[4-[[4-anilino-1-naphthyl][4-(dimethyl amino)phenyl]methylene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	HPLC-DAD	0.005	N.D
[4-[4,4'-bis(dimethylamino) benzhydrylidene] cyclohexa -2,5-dien-1-ylidene] dimethylammonium chloride(C.I. Basic Violet 3)	548-62-9	HPLC-DAD	0.005	N.D
4,4'-bis(dimethylamino)-4''-(methyla mino)trityl alcohol	561-41-1	GC-MS	0.005	N.D
α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1 -methanol (C.I. Solvent Blue 4)	6786-83-0	HPLC-DAD	0.005	N.D

Note:

1. The chemical analysis of 13 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Jun.18, 2012 shall refer to

http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp

2. "△" = Determination was based on elemental analysis. The concentration was calculated based on assumption of worst-case.

Substances List 8 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	GC-MS	0.005	N.D
Pentacosafluorotridecanoic acid	72629-94-8	HPLC-DAD	0.005	N.D
Tricosafluorododecanoic acid	307-55-1	HPLC-DAD	0.005	N.D
Henicosafluoroundecanoic acid	2058-94-8	HPLC-DAD	0.005	N.D
Heptacosafluorotetradecanoic acid	376-06-7	HPLC-DAD	0.005	N.D
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	GC-MS	0.005	N.D
Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	85-42-7, 13149-00-3, 14166-21-3	GC-MS	0.005	N.D
Hexahydromethylphthalic anhydride [1], Hexahydro- 4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	GC-MS	0.005	N.D

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Substances List 8 (Continued 1) and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
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]	--	GC-MS	0.005	N.D
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well- defined substances and UVCB substances, polymers and homologues]	--	GC-MS	0.005	N.D
Methoxyacetic acid	625-45-6	GC-MS	0.005	N.D
N,N-dimethylformamide	68-12-2	GC-MS	0.005	N.D
Dibutyltin dichloride (DBTC)	683-18-1	GC-MS	0.005	N.D
Lead monoxide (Lead oxide)△	1317-36-8	ICP-OES	0.005	N.D
Orange lead (Lead tetroxide)△	1314-41-6	ICP-OES	0.005	N.D
Lead bis(tetrafluoroborate)△	13814-96-5	ICP-OES	0.005	N.D
Trilead bis(carbonate) dihydroxide△	1319-46-6	ICP-OES	0.005	N.D
Lead titanium trioxide△	12060-00-3	ICP-OES	0.005	N.D
Lead titanium zirconium oxide△	12626-81-2	ICP-OES	0.005	N.D
Silicic acid, lead salt△	11120-22-2	ICP-OES	0.005	N.D

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Substances List 8(Continued 2) and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
Silicic acid (H2Si2O5), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]△	68784-75-8	ICP-OES	0.005	N.D
1-bromopropane (n-propyl bromide)	106-94-5	GC	0.005	N.D
Methyloxirane (Propylene oxide)	75-56-9	GC	0.005	N.D
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	GC-MS	0.005	N.D
Diisopentylphthalate (DIPP)	605-50-5	GC-MS	0.005	N.D
N-pentyl-isopentylphthalate	776297-69-9	GC-MS	0.005	N.D
1,2-diethoxyethane	629-14-1	GC-MS	0.005	N.D
Acetic acid, lead salt, basic△	51404-69-4	ICP-OES	0.005	N.D
Lead oxide sulfate△	12036-76-9	ICP-OES	0.005	N.D
[Phthalato(2-)]dioxotrilead△	69011-06-9	ICP-OES	0.005	N.D
Dioxobis(stearato)trilead△	12578-12-0	ICP-OES	0.005	N.D
Fatty acids, C16-18, lead salts△	91031-62-8	ICP-OES	0.005	N.D
Lead cynamidate△	20837-86-9	ICP-OES	0.005	N.D
Lead dinitrate△	10099-74-8	ICP-OES	0.005	N.D
Pentalead tetraoxide sulphate△	12065-90-6	ICP-OES	0.005	N.D

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Substances List 8(Continued 3) and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
Pyrochlore, antimony lead yellow△	8012-00-8	ICP-OES	0.005	N.D
Sulfurous acid, lead salt, dibasic△	62229-08-7	ICP-OES	0.005	N.D
Tetraethyl lead△	78-00-2	ICP-OES	0.005	N.D
Tetralead trioxide sulphate△	12202-17-4	ICP-OES	0.005	N.D
Trilead dioxide phosphonate△	12141-20-7	ICP-OES	0.005	N.D
Furan	110-00-9	GC	0.005	N.D
Diethyl sulphate	64-67-5	GC	0.005	N.D
Dimethyl sulphate	77-78-1	GC	0.005	N.D
3-ethyl-2-methyl-2-(3-methylbutyl)-1 ,3-oxazolidine	143860-04-2	GC-MS	0.005	N.D
Dinoseb (6-sec-butyl-2,4 -dinitrophenol)	88-85-7	GC-MS	0.005	N.D
4,4'-methylenedi-o-toluidine	838-88-0	GC-MS	0.005	N.D
4,4'-oxydianiline and its salts	101-80-4	GC-MS	0.005	N.D
4-aminoazobenzene	60-09-3	GC-MS	0.005	N.D
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	GC-MS	0.005	N.D
6-methoxy-m-toluidine (p-cresidine)	120-71-8	GC-MS	0.005	N.D
Biphenyl-4-ylamine	92-67-1	GC-MS	0.005	N.D
o-aminoazotoluene [(4-o-tolylazo-o-toluidine])	97-56-3	GC-MS	0.005	N.D
o-toluidine	95-53-4	GC-MS	0.005	N.D
N-methylacetamide	79-16-3	GC-MS	0.005	N.D

Note:

1. The chemical analysis of 54 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Dec.19, 2012 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp
2. "△" = Determination was based on elemental analysis. The concentration was calculated based on assumption of worst-case.

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Substances List 9 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
Cadmium △	7440-43-9	ICP-OES	0.005	N.D
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	HPLC-DAD	0.005	N.D
Pentadecafluorooctanoic acid (PFOA)	335-67-1	HPLC-DAD	0.005	N.D
Dipentyl phthalate (DPP)	131-18-0	GC-MS	0.005	N.D
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]*	--	GC-MS	0.005	N.D
Cadmium oxide △	1306-19-0	ICP-OES	0.005	N.D

Note:

1. **The chemical analysis of 6 SVHC is performed by means of currently available analytical techn**iques against the list published by European Chemicals Agency (ECHA) on Jun.20, 2013 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp
2. "△" = Determination was based on elemental analysis. The concentration was calculated based on assumption of worst-case.

Test Report

Substances List 10 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
Cadmium sulphide △	1306-23-6	ICP-OES	0.005	N.D
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	HPLC-DAD	0.005	N.D
Dihexyl phthalate	84-75-3	GC-MS	0.005	N.D
Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	GC-MS	0.005	N.D
Trixylyl phosphate	25155-23-1	GC-MS	0.005	N.D
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)] bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red28)	573-58-0	HPLC-DAD	0.005	N.D
Lead di(acetate) △	301-04-2	ICP-OES	0.005	N.D

Note:

1. The chemical analysis of 7 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on December.16, 2013 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp
2. "△" = Determination was based on elemental analysis. The concentration was calculated based on assumption of worst-case.

Test Report

Substances List 11 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	GC-MS	0.005	N.D
Cadmium chloride △	10108-64-2	ICP-OES	0.005	N.D
Sodium perborate △; perboric acid, sodium salt △	--	ICP-OES	0.005	N.D
Sodium peroxometaborate △	7632-04-4	ICP-OES	0.005	N.D

Note:

1. The chemical analysis of 4 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on June.16, 2014 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp
2. △" = Determination was based on elemental analysis. The concentration was calculated based on assumption of worst-case.

Test Report

Substances List 12 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
Cadmium fluoride△	7790-79-6	ICP-OES	0.005	N.D
Cadmium sulphate△	10124-36-4; 31119-53-6	ICP-OES	0.005	N.D
2-benzotriazol-2-yl-4,6-di-tert-butyl phenol (UV-320)	3846-71-7	GC-MS	0.005	N.D
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	GC-MS	0.005	N.D
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	GC-MS	0.005	N.D
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)	--	GC-MS	0.005	N.D

Note:

1. The chemical analysis of 6 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on December.17, 2014 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp
2. △" = Determination was based on elemental analysis. The concentration was calculated based on assumption of worst-case.

Test Report

Substances List 13 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
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	68515-51-5 68648-93-1	GC-MS	0.005	N.D
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3- dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	--	HPLC-DAD	0.005	N.D

Note:

1. The chemical analysis of 2 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on June.15, 2015 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp

Substances List 14 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
1,3-propanesultone	1120-71-4	GC-MS	0.005	N.D
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	GC-MS	0.005	N.D
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	GC-MS	0.005	N.D
Nitrobenzene	98-95-3	GC-MS	0.005	N.D
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	375-95-1 21049-39-8 4149-60-4	HPLC-DAD	0.005	N.D

Note:

1. The chemical analysis of 5 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Dec.17, 2015 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp

Test Report

Substances List 15 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	GC-MS	0.005	N.D

Note:

1. The chemical analysis of 1 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Jun. 20, 2016 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp

Substances List 16 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	HPLC-DAD	0.005	N.D
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	HPLC-DAD	0.005	N.D
p-(1,1-dimethylpropyl)phenol	80-46-6	GC-MS	0.005	N.D
4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	--	GC-MS	0.005	N.D

Note:

1. The chemical analysis of 4 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Jan. 12, 2017 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp

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Substances List 17 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
Perfluorohexane-1-sulphonic acid and its salts	--	HPLC-DAD	0.005	N.D

Note:

1. The chemical analysis of 1 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Jul. 07, 2017 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp

Substances List 18 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
Chrysene	218-01-9	GC-MS	0.005	N.D
Benz[a]anthracene	56-55-3	GC-MS	0.005	N.D
Cadmium nitrate△	10325-94-7	ICP-OES	0.005	N.D
Cadmium hydroxide △	21041-95-2	ICP-OES	0.005	N.D
Cadmium carbonate△	513-78-0	ICP-OES	0.005	N.D
Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	--	GC-MS	0.005	N.D
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]	--	GC-MS	0.005	N.D

Note:

1. The chemical analysis of 7 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Jan .15, 2018 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp
2. "△" = Determination was based on elemental analysis. The concentration was calculated based on assumption of worst-case.

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Substances List 19 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride trimellitic anhydride; TMA	552-30-7	LC-DAD	0.005	N.D
Benzo[ghi]perylene	191-24-2	GC-MS	0.005	N.D
Decamethylcyclopentasiloxane (D5)	541-02-6	GC-MS	0.005	N.D
Dicyclohexyl phthalate (DCHP)	84-61-7	GC-MS	0.005	N.D
Disodium octaborate△	12008-41-2	ICP-OES	0.005	N.D
Dodecamethylcyclohexasiloxane (D6)	540-97-6	GC-MS	0.005	N.D
Ethylenediamine (EDA)	107-15-3	GC-MS	0.005	N.D
Lead△	7439-92-1	ICP-OES	0.005	N.D
Octamethylcyclotetrasiloxane (D4)	556-67-2	GC-MS	0.005	N.D
Terphenyl, hydrogenated	61788-32-7	GC-FID	0.005	N.D

Note:

1. The chemical analysis of 10 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Jun .27, 2018 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp
2. "△" = Determination was based on elemental analysis. The concentration was calculated based on assumption of worst-case.

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Substances List 20 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	GC-MS	0.005	N.D
Benzo[k]fluoranthene	207-08-9	GC-MS	0.005	N.D
Fluoranthene	206-44-0	GC-MS	0.005	N.D
Phenanthrene	85-01-8	GC-MS	0.005	N.D
Pyrene	129-00-0	GC-MS	0.005	N.D
1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	HPLC-DAD	0.005	N.D

Note:

1. The chemical analysis of 6 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Jan. 15, 2019 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp

Substances List 21 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	--	GC-MS	0.005	N.D
2-methoxyethyl acetate	110-49-6	GC-MS	0.005	N.D
4-tert-butylphenol	98-54-4	GC-MS	0.005	N.D
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	--	GC-MS	0.005	N.D

Note:

1. The chemical analysis of 4 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Jul. 16, 2019 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp

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Substances List 22 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
Perfluorobutane sulfonic acid (PFBS) and its salts	--	GC-MS	0.005	N.D
Diisohexyl phthalate	71850-09-4	GC-MS	0.005	N.D
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	GC-MS	0.005	N.D
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	GC-MS	0.005	N.D

Note:

1. The chemical analysis of 4 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Jan. 16, 2020 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp

Substances List 23 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
1-vinylimidazole	1072-63-5	GC-MS	0.005	N.D
2-methylimidazole	693-98-1	GC-MS	0.005	N.D
butyl 4-hydroxybenzoate	94-26-8	GC-MS	0.005	N.D
Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	GC-MS	0.005	N.D

Note:

1. The chemical analysis of 4 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Jun. 25, 2020 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp

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Substances List 24 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	GC-MS	0.005	N.D
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	--	GC-MS	0.005	N.D

Note:

1. The chemical analysis of 2 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Jan. 19, 2021 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp

Substances List 25 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
1,4-dioxane	123-91-1	GC-MS	0.005	N.D
2,2-bis(bromomethyl) propane1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivativ/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0 36483-57-5/1 522-92-5 96-13-9	GC-MS	0.005	N.D
2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	--	GC-MS	0.005	N.D
4,4'-(1-methylpropylidene) bisphenol (bisphenol B)	77-40-7	GC-MS	0.005	N.D
Glutaral	111-30-8	GC-MS	0.005	N.D
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]	--	GC-MS	0.005	N.D

Orthoboric acid, sodium salt	**13840-56-7**	GC-MS	0.005	N.D
Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, coverin g any individual（PDDP）	**--**	GC-MS	0.005	N.D

Note:

1. The chemical analysis of 8 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Jul. 08, 2021 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp

Substances List 26 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
(±)-1,7,7-trimethyl-3-[(4-methylphen yl)methylene]bicyclo[2.2.1] heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	**--**	GC-MS	0.005	N.D
6,6'-di-tert-butyl-2,2'-methylenedi-p -cresol (DBMC)	**119-47-1**	GC-MS	0.005	N.D
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**	GC-MS	0.005	N.D
tris(2-methoxyethoxy)vinylsilane	**1067-53-4**	GC-MS	0.005	N.D

Note:

1. The chemical analysis of 4 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Jan. 17, 2021 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp

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Substances List 27 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
N-(hydroxymethyl)acrylamide	924-42-5	GC-MS	0.005	N.D

Note:

1. The chemical analysis of 1 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Jun. 10, 2022 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp

Substances List 28 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene] (BTBPE)	37853-59-1	GC-MS	0.005	N.D
2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (TBBPA)	79-94-7	GC-MS	0.005	N.D
4,4'-sulphonyldiphenol (BPS)	80-09-1	GC-MS	0.005	N.D
Barium diboron tetraoxide	13701-59-2	GC-MS	0.005	N.D
Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof (TBPH)	--	GC-MS	0.005	N.D
Isobutyl 4-hydroxybenzoate	4247-02-3	GC-MS	0.005	N.D
Melamine	108-78-1	GC-MS	0.005	N.D
Perfluoroheptanoic acid (PFHpA) and its salts	--	HPLC	0.005	N.D
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	--	GC-MS	0.005	N.D

Note:

1.The chemical analysis of 9 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Jan. 17, 2023 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp

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Substances List 29 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
bis(4-chlorophenyl) sulphone	80-07-9	GC-MS	0.005	N.D
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	75980-60-8	GC-MS	0.005	N.D

Note:

1.The chemical analysis of 2 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Jun. 14, 2023 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp

Substances List 30 and Result(s):

Substance Name	CAS No.	Equipment(s)	RL (%)	Result (%)
				1
2,4,6-tri-tert-butylphenol	732-26-3	GC-MS	0.005	N.D
2-(2H-benzotriazol-2-vI)-4-(11.33tetramethvl butvl)phenol (uV-329)	3147-75-9	GC-MS	0.005	N.D
2-(dimethylamino)-2-[(4-methylphenyl)meth yl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	GC-MS	0.005	N.D
Bumetrizole (uV-326)	3896-11-5	GC-MS	0.005	N.D
Oligomerisation and alkylation reactionproducts of 2-phenylpropene and phenol Phenol, methylstyrenated	--	GC-MS	0.005	N.D

Note:

1.The chemical analysis of 5 SVHC is performed by means of currently available analytical techniques against the list published by European Chemicals Agency (ECHA) on Jan. 23, 2024 shall refer to http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp

Test Report

Remark:

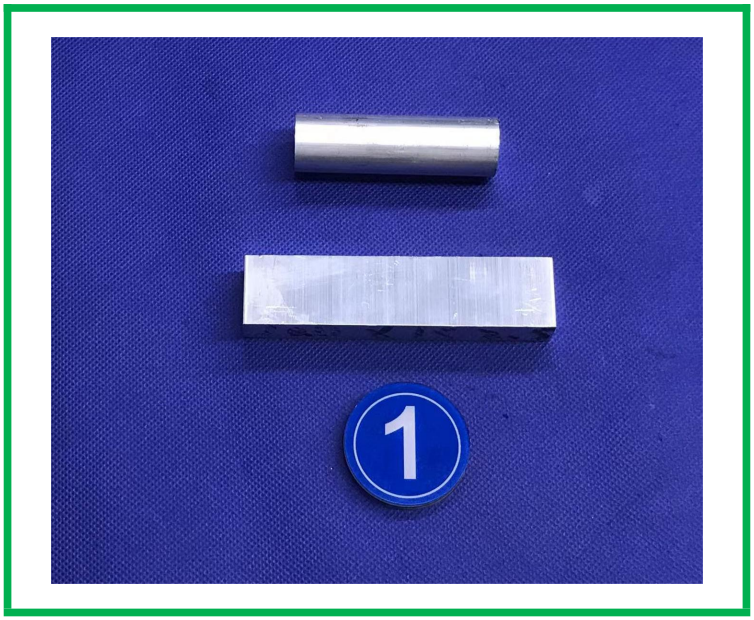
1. In accordance with Regulation (EC) No. 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, namely (a) the substance is present in those article in quantities totaling over one ton per producer or importer per year; and (b) the substance is present in those articles higher than 0.1% weight by weight (w/w).
2. Article 33 of Regulation (EC) No. 1907/2006 requires supplier of an article containing a substance meets the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration higher than 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.
2. N.D = Not Detected (< RL).
3. RL = Report Limit.
4. % = Percentage by weight.

Test Report

Test Material list:

No.	Sample Description	Location
1	Silver Metal	Aluminum Alloy

Sample(s) Photo



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