



Test Report

No.: S240125003001-2

Date: Jan 30, 2024

Page 1 of 22

Customer: DONGGUAN LIANRUI PHOTOELECTRIC TECHNOLOGY CO., LTD

Customer Address: NO. 20, BEIZONG 1ST ROAD, QISHI TOWN, DONGGUAN CITY, GUANGDONG PROVINCE

Sample Name: Transformer

The above samples and information are provided by the customer

Sample Received Date: Jan 25, 2024

Test Period: Jan 25, 2024 to Jan 30, 2024

Test Requirements: Test according to customer requirement

Test Method: Please refer to next page(s)

Test Result: Please refer to next page(s)

**Result Summary:**

Test Requested	Conclusion
1.As specified by client, SVHC screening is performed according to: Two hundred and forty (240) Substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemical Agency (ECHA) on and before Jan 23, 2024 published by European Chemical Agency (ECHA) regarding regulation (EC) No.1907/2006 concerning the REACH. According to the specified scope and analytical techniques, concentrations of SVHC(240 SVHC) are less than 0.1%(w/w) in the sample.	PASS

WRITTEN BY

Zoey Zhang

Zoey Zhang

REVIEWED BY

Kira Fu

Kira Fu

Soar Testing Certification  
(GuangDong) Co., Ltd.

APPROVED BY

Frank Wu

检验检测专用章

Frank Wu

Inspection & Testing Services  
Approved Signatory

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Website: http://www.soartestlab.com

**Test Result(s):****Description of test sample:**

Sample No.	Description
No.1	Transformer (mixed)

Chemical Substance	No.1 %(w/w)
All Tested 240 SVHCs in Chemical List	N.D.

**Note:**

1. SVHC = Substances of Very High Concern
2. % = percentage by weight
3. N.D. = Not Detected (<Report Limit)
4. RL = Report Limit
5. \*\* According to the 5.2.1 item of the fourth version of ECHA "Guidance on requirements for substances in articles", 2017, the selected test methods only show the existence of certain elements rather than the existence of substances, using additional measurements to screen for the existence and identification of substances in a sample when necessary.
6. Report Results: based on measurements in most cases will identify the chemical constituents in the sample but not necessarily "the substance" which were originally used to produce the article, professional consults, products information, testing processes, features of materials, characteristics of the SVHC and chemical analysis etc to obtain the assessments results according to the 5.2 item of the fourth version of ECHA "Guidance on requirements for substances in articles", 2017.
7. Report Limit: Be obtained from the uncertainty, the 0.1 % threshold and the ECHA "Guidance on requirements for substances in articles".
8. In accordance with Regulation (EC) No 1907/2006, any producer or importer of articles shall notify the European Chemicals Agency(ECHA), In accordance with Article 59(1) of the Regulation if:  
-the substance is present in those articles in quantities totaling over one ton per producer or importer per year;  
-the substance is present in those articles above a concentration of 0.1% weight by weight(w/w).
9. 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 (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, he name of that substance.

Remark: As specified by applicant, to test content in the selected materials of the submitted samples. The test results are only responsible for the submitted sample. The test report is only for customer research, teaching, internal quality control, product development and other purposes, for reference only.

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**240 SVHCs Chemical List, Test Method and Instrument:**

No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
<b>First batch</b>					
1	Anthracene	AfPS ProdSG:2014 GC-MS	120-12-7	204-371-1	0.010
2	4,4'-Diaminodiphenylmethane	EPA 3550C:2007& EPA 8270D:2014 GC-MS	101-77-9	202-974-4	0.010
3	Dibutyl phthalate (DBP)	EN 14372:2004 GC-MS	84-74-2	201-557-4	0.010
4	Bis(2-ethylhexyl)phthalate (DEHP)		117-81-7	204-211-0	0.010
5	Benzyl butyl phthalate (BBP)		85-68-7	201-622-7	0.010
6	Bis(tributyltin)oxide (TBTO)	ISO17353:2004(E) GC-MS	56-35-9	200-268-0	0.010
7	5-tert-butyl-2,4,6-trinitro-m-xylene	EPA 3550C:2007& EPA 8270D:2014 GC-MS	81-15-2	201-329-4	0.010
8	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:( $\alpha$ -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	0.010
9	Alkanes, C10-13 chloro (short chain chlorinated paraffins, SCCP)		85535-84-8	287-476-5	0.010
10	Lead hydrogen arsenate**	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	7784-40-9	232-064-2	0.010
11	Triethyl arsenate**		15606-95-8	427-700-2	0.010
12	Diarsenic pentaoxide **		1303-28-2	215-116-9	0.010
13	Diarsenic trioxide**		1327-53-3	215-481-4	0.010
14	Cobalt dichloride**	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 &EN14582:2016 ICP-OES &IC	7646-79-9	231-589-4	0.010

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No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
15	Sodium dichromate**	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	7789-12-0 10588-01-9	234-190-3	0.010
<b>Second batch</b>					
16	Anthracene oil	AfPS ProdSG:2014 GC-MS	90640-80-5	292-602-7	0.010
17	Anthracene oil, anthracene paste, distn. Lights		91995-17-4	295-278-5	0.010
18	Anthracene oil, anthracene paste, anthracene fraction		91995-15-2	295-275-9	0.010
19	Anthracene oil, anthracene-low		90640-82-7	292-604-8	0.010
20	Anthracene oil, anthracene paste		90640-81-6	292-603-2	0.010
21	Diisobutyl phthalate (DIBP)	EN 14372:2004 GC-MS	84-69-5	201-553-2	0.010
22	2,4-Dinitrotoluene (2,4-DNT)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	121-14-2	204-450-0	0.010
23	Lead chromate **	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	7758-97-6	231-846-0	0.010
24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) **		12656-85-8	235-759-9	0.010
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34) **		1344-37-2	215-693-7	0.010
26	Pitch, coal tar, high temp.	AfPS ProdSG:2014 GC-MS	65996-93-2	266-028-2	0.010
27	Tris(2-chloroethyl) phosphate(TCEP)	EPA 3540C:1996& EPA 8270D:2014 GC-MS	115-96-8	204-118-5	0.010
28	Acrylamide	EPA 3550C:2007& EPA 8321B:2007 HPLC	79-06-1	201-173-7	0.010
<b>Third batch</b>					
29	Trichloroethylene	EPA 3550C:2007& EPA 8270D:2014 GC-MS	79-01-6	201-167-4	0.010

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No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%	
30	Boric acid **	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	10043-35-3 11113-50-1	233-139-2 234-343-4	0.010	
31	Disodium tetraborate, anhydrous **	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	1330-43-4 12179-04-3 1303-96-4	215-540-4	0.010	
32	Tetraboron disodium heptaoxide, hydrate **	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	12267-73-1	235-541-3	0.010	
33	Sodium chromate **	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES&UV-Vis	7775-11-3	231-889-5	0.010	
34	Potassium chromate **		7789-00-6	232-140-5	0.010	
35	Ammonium dichromate **		7789-09-5	232-143-1	0.010	
36	Potassium dichromate **		7778-50-9	231-906-6	0.010	
<b>Fourth batch</b>						
37	Chromium trioxide **	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES&UV-Vis	1333-82-0	215-607-8	0.010	
38	2-Methoxyethanol	EPA 3550C:2007& EPA 8270D:2014 GC-MS	109-86-4	203-713-7	0.010	
39	2-Ethoxyethanol		110-80-5	203-804-1	0.010	
40	Cobalt(II) diacetate **	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	71-48-7	200-755-8	0.010	
41	Cobalt(II) carbonate **		513-79-1	208-169-4	0.010	
42	Cobalt(II) dinitrate **		10141-05-6	233-402-1	0.010	
43	Cobalt(II) sulphate **		10124-43-3	233-334-2	0.010	
44	Acids generated from chromium trioxide and their oligomers Group containing:	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	Chromic acid**	7738-94-5	231-801-5	0.010
			Dichromic acid**	13530-68-2	236-881-5	0.010
			Oligomers of chromic acid and dichromic acid**	-	-	0.010

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No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
<b>Fifth batch</b>					
45	2-ethoxyethyl acetate	EPA 3550C:2007& EPA 8270D:2014 GC-MS	111-15-9	203-839-2	0.010
46	Strontium chromate**	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	7789-06-2	232-142-6	0.010
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	EN 14372:2004 GC-MS	68515-42-4	271-084-6	0.010
48	Hydrazine	EPA 3550C:2007& EPA 8270D:2014 GC-MS	7803-57-8 302-01-2	206-114-9	0.010
49	1-methyl-2-pyrrolidone		872-50-4	212-828-1	0.010
50	1,2,3-trichloropropane		96-18-4	202-486-1	0.010
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	EN 14372:2004 GC-MS	71888-89-6	276-158-1	0.010
<b>Sixth batch</b>					
52	Dichromium tris(chromate)**	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	24613-89-6	246-356-2	0.010
53	Potassium hydroxyoctaoxodizincate di-chromate**		11103-86-9	234-329-8	0.010
54	Pentazinc chromate octahydroxide **	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	49663-84-5	256-418-0	0.010
55	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	EPA 3550C:2007& EPA 8321B:2007 HPLC	25214-70-4	500-036-1	0.010
56	Bis(2-methoxyethyl) phthalate (DMEP)	EN 14372:2004 GC-MS	117-82-8	204-212-6	0.010
57	2-Methoxyaniline; o-Anisidine	EPA 3550C:2007& EPA 8270D:2014 GC-MS	90-04-0	201-963-1	0.010
58	4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol)		140-66-9	205-426-2	0.010
59	1,2-Dichloroethane		107-06-2	203-458-1	0.010
60	Bis(2-methoxyethyl) ether		111-96-6	203-924-4	0.010
61	Arsenic acid**	EPA 3050B:1996&	7778-39-4	231-901-9	0.010

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No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
62	Calcium arsenate**	EPA 3052:1996& EPA 6010C:2007 ICP-OES	7778-44-1	231-904-5	0.010
63	Trilead diarsenate**		3687-31-8	222-979-5	0.010
64	N,N-dimethylacetamide (DMAC)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	127-19-5	204-826-4	0.010
65	Phenolphthalein	EPA 3550C:2007& EPA 8321B:2007 HPLC	77-09-8	201-004-7	0.010
66	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	101-14-4	202-918-9	0.010
67	Lead azide; Lead diazide**	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	13424-46-9	236-542-1	0.010
68	Lead styphnate**		15245-44-0	239-290-0	0.010
69	Lead dipicrate**		6477-64-1	229-335-2	0.010
70	Aluminosilicate Refractory Ceramic Fibres (RCF)**		-	-	0.010
71	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)**		-	-	0.010
<b>Seventh batch</b>					
72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	112-49-2	203-977-3	0.010
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)		110-71-4	203-794-9	0.010
74	Diboron trioxide**	EPA 3050B:1996& EPA 3052:1996&	1303-86-2	215-125-8	0.010
75	Lead(II)bis(methanesulfonate)**	EPA 6010C:2007 ICP-OES	17570-76-2	401-750-5	0.010
76	Formamide	EPA 3550C:2007& EPA 8270D:2014 GC-MS	75-12-7	200-842-0	0.010
77	1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (TGIC)	EPA 3550C:2007& EPA 8321B:2007 HPLC	2451-62-9	219-514-3	0.010
78	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
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	EPA 3550C:2007& EPA 8270D:2014	90-94-8	202-027-5	0.010

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No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	GC-MS	101-61-1	202-959-2	0.010
81	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	EPA 3550C:2007& EPA 8321B:2007 HPLC	548-62-9	208-953-6	0.010
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 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
83	α,α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 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
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)		561-41-1	209-218-2	0.010
<b>Eighth batch</b>					
85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	IEC 62321-6:2015 GC-MS	1163-19-5	214-604-9	0.010
86	Pentacosafuorotridecanoic acid	EPA 3550C:2007& EPA 8321B:2007 HPLC	72629-94-8	276-745-2	0.010
87	Tricosafuorododecanoic acid	EPA 3550C:2007& EPA 8321B:2007 HPLC	307-55-1	206-203-2	0.010
88	Henicosafuoroundecanoic acid		2058-94-8	218-165-4	0.010
89	Heptacosafuorotetradecanoic acid		376-06-7	206-803-4	0.010

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No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]		-	-	0.010
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]	EPA 3550C:2007& EPA 8270D:2014 GC-MS	-	-	0.010
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	EPA 3550C:2007& EPA 8321B:2007 HPLC	123-77-3	204-650-8	0.010
93	Hexahydromethylphthalic anhydride Hexahydro-4-methylphthalic anhydride Hexahydro-1-methylphthalic anhydride Hexahydro-3-methylphthalic anhydride	EPA 3550C:2007& EPA 8270D:2014 GC-MS	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1	0.010
94	Cyclohexane-1,2-dicarboxylic anhydride	EPA 3550C:2007& EPA 8270D:2014 GC-MS	85-42-7, 13149-00-3  14166-21-3	201-604-9, 236-086-3, 238-009-9	0.010
95	Methoxy acetic acid		625-45-6	210-894-6	0.010
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear		84777-06-0	284-032-2	0.010
97	Diisopentylphthalate (DIPP)	EN 14372:2004 GC-MS	605-50-5	210-088-4	0.010
98	N-pentyl-isopentylphthalate		776297-69-9	-	0.010
99	1,2-diethoxyethane	EPA 3550C:2007& EPA 8270D:2014 GC-MS	629-14-1	211-076-1	0.010
100	N,N-dimethylformamide		68-12-2	200-679-5	0.010
101	Dibutyltin dichloride (DBTC)	ISO 17353:2004(E) GC-MS	683-18-1	211-670-0	0.010
102	Acetic acid, lead salt, basic**	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	51404-69-4	257-175-3	0.010
103	Trilead bis(carbonate) dihydroxide**		1319-46-6	215-290-6	0.010
104	Lead oxide sulfate**		12036-76-9	234-853-7	0.010
105	[Phthalato(2-)]dioxotrilead **		69011-06-9	273-688-5	0.010
106	Dioxobis(stearato)trilead **	EPA 3050B:1996& EPA 3052:1996&	12578-12-0	235-702-8	0.010
107	Fatty acids, C16-18, lead salts**		91031-62-8	292-966-7	0.010

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No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
108	Lead bis(tetrafluoroborate)**	EPA 6010C:2007 ICP-OES	13814-96-5	237-486-0	0.010
109	Lead cyanamide**		20837-86-9	244-073-9	0.010
110	Lead dinitrate**		10099-74-8	233-245-9	0.010
111	Lead oxide (lead monoxide)**		1317-36-8	215-267-0	0.010
112	Lead tetroxide (orange lead)**		1314-41-6	215-235-6	0.010
113	Lead titanium trioxide**		12060-00-3	235-038-9	0.010
114	Lead Titanium Zirconium Oxide**		12626-81-2	235-727-4	0.010
115	Pentalead tetraoxide sulphate**		12065-90-6	235-067-7	0.010
116	Pyrochlore, antimony lead yellow**		8012-00-8	232-382-1	0.010
117	Silicic acid, barium salt, lead-doped**		68784-75-8	272-271-5	0.010
118	Silicic acid, lead salt**		11120-22-2	234-363-3	0.010
119	Sulfurous acid, lead salt, dibasic**		62229-08-7	263-467-1	0.010
120	Tetraethyllead**		78-00-2	201-075-4	0.010
121	Tetralead trioxide sulphate**		12202-17-4	235-380-9	0.010
122	Trilead dioxide phosphonate**	12141-20-7	235-252-2	0.010	
123	Furan	EPA 3550C:2007& EPA 8270D:2014 GC-MS	110-00-9	203-727-3	0.010
124	Methyloxirane (Propylene oxide)	EPA 3550C:2007& EPA 8270D:2014 HS-GC-MS	75-56-9	200-879-2	0.010
125	Diethyl sulphate	EPA 3550C:2007& EPA 8321B:2007 HPLC	64-67-5	200-589-6	0.010
126	Dimethyl sulphate		77-78-1	201-058-1	0.010
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1, 3-oxazoli dine	EPA 3550C:2007& EPA 8270D:2014 GC-MS	143860-04- 2	421-150-7	0.010
128	Dinoseb		88-85-7	201-861-7	0.010
129	4,4'-methylenedi- <i>o</i> -toluidine		838-88-0	212-658-8	0.010
130	4,4'-oxydianiline and its salts		101-80-4	202-977-0	0.010
131	4-aminoazobenzene		60-09-3	200-453-6	0.010
132	4-methyl- <i>m</i> -phenylenediamine (toluene-2,4-diamine)		95-80-7	202-453-1	0.010
133	6-methoxy- <i>m</i> -toluidine (p-cresidine)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	120-71-8	204-419-1	0.010
134	Biphenyl-4-ylamine		92-67-1	202-177-1	0.010

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135	<i>o</i> -aminoazotoluene [(4- <i>o</i> -tolylazo- <i>o</i> -toluidine)]		97-56-3	202-591-2	0.010
136	<i>o</i> -toluidine		95-53-4	202-429-0	0.010
137	N-methylacetamide	EPA 3550C:2007& EPA 8270D:2014 GC-MS	79-16-3	201-182-6	0.010
138	1-bromopropane (n-propyl bromide)	EPA 3550C:2007& EPA 8270D:2014 HS-GC-MS	106-94-5	203-445-0	0.010
<b>Ninth batch</b>					
139	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]	EPA 3550C:2007& EPA 8270D:2014 GC-MS	-	-	0.010
140	Cadmium**	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	7440-43-9	231-152-8	0.010
141	Cadmium oxide**		1306-19-0	215-146-2	0.010
142	Ammonium pentadecafluorooctanoate (APFO)	EPA 3550C:2007& EPA 8321B:2007 HPLC	3825-26-1	223-320-4	0.010
143	Pentadecafluorooctanoic acid (PFOA)		335-67-1	206-397-9	0.010
144	Dipentyl phthalate (DPP)	EN 14372:2004 GC-MS	131-18-0	205-017-9	0.010
<b>Tenth batch</b>					
145	Cadmium sulphide**	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	1306-23-6	215-147-8	0.010
146	Dihexyl phthalate(DnHP)	EN 14372:2004 GC-MS	84-75-3	201-559-5	0.010
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)] bis(4-aminonaphthalene-1-sulphona te) (C.I. Direct Red 28)	EPA 3550C:2007& EPA 8321B:2007 HPLC	573-58-0	209-358-4	0.010

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No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
148	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	0.010
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	EPA 3550C:2007& EPA 8270D:2014 GC-MS	96-45-7	202-506-9	0.010
150	Trixylyl phosphate		25155-23-1	246-677-8	0.010
151	Lead di(acetate)**	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	301-04-2	206-104-4	0.010
<b>Eleventh batch</b>					
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	EN 14372:2004 GC-MS	68515-50-4	271-093-5	0.010
153	Cadmium chloride**	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	10108-64-2	233-296-7	0.010
154	Sodium perborate; perboric acid, sodium salt**		-	239-172-9 234-390-0	0.010
155	Sodium peroxometaborate**		7632-04-4	231-556-4	0.010
<b>Twelfth batch</b>					
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpe ntylphenol (UV-328)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	25973-55-1	247-384-8	0.010
157	2-benzotriazol-2-yl-4,6-di-tert-butylp henol (UV-320)		3846-71-7	223-346-6	0.010
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5- dithia-4-stannatetradecanoate (DOTE)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	15571-58-1	239-622-4	0.010
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-o xoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5- -dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	-	-	0.010
160	Cadmium fluoride**	EPA 3050B:1996& EPA 3052:1996&	7790-79-6	232-222-0	0.010

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161	Cadmium sulphate**	EPA 6010C:2007 ICP-OES	10124-36-4 31119-53-6	233-331-6	0.010
<b>Thirteenth batch</b>					
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 (EC No. 201-559-5)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	68515-51-5 68648-93-1	271-094-0 272-013-1	0.010
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]		-	-	0.010
<b>Fourteenth batch</b>					
164	1,3-propanesultone	EPA 3540C:1996, GC-FID	1120-71-4	214-317-9	0.010
165	2,4-di-tert-butyl-6-(5-chlorobenzotria- zol-2-yl)phenol (UV-327)	EPA 3540C:1996& EPA 8321B:2007, HPLC	3864-99-1	223-383-8	0.010
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl )-6-(sec-butyl)phenol (UV-350)		36437-37-3	253-037-1	0.010
167	Nitrobenzene	EPA 3540C:1996, GC-FID	98-95-3	202-716-0	0.010
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-hep- tadecafluorononanoic acid and its sodium and ammonium salts	EPA 3540C:1996& EPA 8321B:2007, HPLC-MS/DAD	375-95-1, 21049-39-8 4149-60-4	206-801-3	0.010
<b>Fifteenth batch</b>					
169	Benzo[def]chrysene (Benzo[a]pyrene)	AfPS ProdSG:2014 GC-MS	50-32-8	200-028-5	0.010
<b>Sixteenth batch</b>					
170	4,4'-isopropylidenediphenol (bisphenol A)	EPA 3550C:2007& EPA 8321B:2007, HPLC-MS/DAD	80-05-7	201-245-8	0.010
171	4-tert-pentylphenol (PTAP)	EPA 3550C:2007& EPA 8270D:2014	80-46-6	201-280-9	0.010

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No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
172	4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	GC-MS	-	-	0.010
173	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	EPA 3550C:2007& EPA 8321B:2007, HPLC	3108-42-7 335-76-2 3830-45-3	- 206-400-3 221-470-5	0.010
<b>Seventeenth batch</b>					
174	Perfluorohexane-1-sulphonic acid and its salts	EPA 3550C:2007& EPA 8270D:2014 HPLC-MS/DAD	355-46-4	206-587-1	0.010
<b>Eighteenth batch</b>					
175	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	EPA 8270D:2014 GC-MS	-	-	0.010
176	Benz[a]anthracene	AfPS ProdSG:2014 GC-MS	56-55-3	200-280-6	0.010
177	Cadmium nitrate**	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	10325-94-7	233-710-6	0.010
178	Cadmium carbonate**		513-78-0	208-168-9	0.010
179	Cadmium hydroxide**		21041-95-2	244-168-5	0.010
180	Chrysene	AfPS ProdSG:2014 GC-MS	218-01-9	205-923-4	0.010
181	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]	EPA 8270D:2014 GC-MS	-	-	0.010

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182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	EPA 8270D:2014 GC-MS	552-30-7	209-008-0	0.010
183	Dicyclohexyl phthalate (DCHP)	EPA 8270D:2014 GC-MS	84-61-7	201-545-9	0.010
<b>Nineteenth batch</b>					
184	Benzo[ghi]perylene	AfPS ProdSG:2014 GC-MS	191-24-2	205-883-8	0.010
185	Decamethylcyclopentasiloxane (D5)	EPA 8270D:2014 GC-MS	541-02-6	208-764-9	0.010
186	Disodium octaborate**	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	12008-41-2	234-541-0	0.010
187	Dodecamethylcyclohexasiloxane (D6)	EPA 8270D:2014 GC-MS	540-97-6	208-762-8	0.010
188	Ethylenediamine		107-15-3	203-468-6	0.010
189	Lead**	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	7439-92-1	231-100-4	0.010
190	Octamethylcyclotetrasiloxane (D4)	EPA 8270D:2014 GC-MS	556-67-2	209-136-7	0.010
191	Terphenyl hydrogenated		61788-32-7	262-967-7	0.010
192	1,7,7-trimethyl-3-(phenylmethylen e)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	EPA 8270D:2014 GC-MS	15087-24-8	239-139-9	0.010
<b>Twentieth batch</b>					
193	2,2-bis(4'-hydroxyphenyl)-4-methylp entane	EPA 8270D:2014 GC-MS	6807-17-6	401-720-1	0.010
194	Benzo[k]fluoranthene	AfPS ProdSG:2014 GC-MS	207-08-9	205-916-6	0.010
195	Fluoranthene		206-44-0	205-912-4	0.010
196	Phenanthrene		85-01-8	201-581-5	0.010
197	Pyrene		129-00-0	204-927-3	0.010

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No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
<b>Twenty-first batch</b>					
198	2,3,3,3-tetrafluoro-2-(heptafluoroproxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) HFPO-DA	EPA 8270D:2014 GC-MS	-	-	0.010
199	2-methoxyethyl acetate		110-49-6	203-772-9	0.010
200	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)		-	-	0.010
201	p-tert-Butylphenol,4-t-Butylphenol (PTBP)		98-54-4	202-679-0	0.010
<b>Twenty-two batch</b>					
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	EPA 3540C:1996, HPLC	119313-12-1	404-360-3	0.010
203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	EPA 3540C:1996, HPLC	71868-10-5	400-600-6	0.010
204	Diisohexyl phthalate	EPA 8270D:2014 GC-MS	71850-09-4	276-090-2	0.010
205	Perfluorobutane sulfonic acid (PFBS) and its salts	EPA 3540C:1996, HPLC	---	---	0.010
<b>Twenty-three batch</b>					
206	1-vinylimidazole	EPA 3540C:1996, HPLC	1072-63-5	214-012-0	0.010
207	2-methylimidazole		693-98-1	211-765-7	0.010
208	Butyl 4-hydroxybenzoate		94-26-8	202-318-7	0.010
209	Dibutylbis(pentane-2,4-dionato-O,O')tin		22673-19-4	245-152-0	0.010
<b>Twenty-four batch</b>					
210	bis(2-(2-methoxyethoxy)ethyl) ether	EPA 3540C:1996, HPLC	143-24-8	---	0.010

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211	Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety		---	---	0.010
<b>Twenty-five batch</b>					
212	1,4-dioxane	EPA 3540C:1996, GC-MS	123-91-1	204-661-8	0.010
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)	EPA 3540C:1996, GC-MS	3296-90-0 36483-57-5 1522-92-5 96-13-9	221-967-7 253-057-0 202-480-9	0.010
214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	EPA 8270D:2014 GC-MS	---	---	0.010
215	4,4'-(1-methylpropylidene) bisphenol (bisphenol B)	EPA 3550C:2007 & EPA 8321B:2007, HPLC-MS/DAD	77-40-7	201-025-1	0.010
216	Glutaral	EPA 8270D:2014 GC-MS	111-30-8	203-856-5	0.010
217	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]	EPA 3550C:2007 & EPA 8270D:2014 GC-MS	---	---	0.010
218	Orthoboric acid, sodium salt	EPA 3050B:1996 & EPA 3052:1996 & EPA 6010C:2007 ICP-OES	13840-56-7	237-560-2	0.010

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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)	EPA 3540C:1996, HPLC-MS/DAD	---	---	0.010
<b>Twenty-six batch</b>					
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)	EPA 3540C:1996, GC-MS	---	---	0.010
221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	EPA 3540C:1996, GC-MS	119-47-1	204-327-1	0.010
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	EPA 3540C:1996, GC-MS	255881-94-8	401-850-9	0.010
223	tris(2-methoxyethoxy)vinylsilane	EPA 3540C:1996, GC-MS	1067-53-4	213-934-0	0.010
<b>Twenty-seven batch</b>					
224	N-(hydroxymethyl)acrylamide	EPA 3540C:1996, GC-MS	924-42-5	213-103-2	0.010
<b>Twenty-eight batch</b>					
225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	EPA 3540C:1996, GC-MS	37853-59-1	253-692-3	0.010
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	EPA 3540C:1996, GC-MS	79-94-7	201-236-9	0.010
227	4,4'-sulphonyldiphenol	EPA 3540C:1996, HPLC-MS/DAD	80-09-1	201-250-5	0.010

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228	Barium diboron tetraoxide**	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	13701-59-2	237-222-4	0.010
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	EPA 3540C:1996, GC-MS/ HPLC-MS/DAD	--	--	0.010
230	Isobutyl 4-hydroxybenzoate	EPA 3540C:1996, GC-MS	4247-02-3	224-208-8	0.010
231	Melamine	EPA 3540C:1996, HPLC/DAD	108-78-1	203-615-4	0.010
232	Perfluoroheptanoic acid and its salts	EPA 3540C:1996, HPLC-MS/DAD	--	--	0.010
233	Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2, 3,3,3-heptafluoropropan-2-yl)morph oline and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafl uoropropyl)morpholine	EPA 3540C:1996, HPLC-MS/DAD	--	473-390-7	0.010
<b>Twenty-nine batch</b>					
234	Bis(4-chlorophenyl) sulphone	EPA 3540C:1996, GC-MS	80-07-9	201-247-9	0.010
235	Diphenyl(2,4,6-trimethylbenzoyl)pho sphine oxide	EPA 3540C:1996, GC-MS	75980-60-8	278-355-8	0.010
<b>Thirty batch</b>					
236	2,4,6-tri-tert-butylphenol	EPA 3540C:1996, GC-MS	732-26-3	211-989-5	0.010
237	2-(2H-benzotriazol-2-yl)-4- (1,1,3,3-tetramethylbutyl)phenol(UV- 329)	EPA 3540C:1996, GC-MS	3147-75-9	221-573-5	0.010
238	2-(dimethylamino)-2-[4-methylphen yl)methyl]-1-[4-(morpholin-4-yl)phen yl]butan-1-one	EPA 3540C:1996, GC-MS	119344-86- 4	438-340-0	0.010

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No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
239	Bumetizole(UV-326)	EPA 3540C:1996, GC-MS	3896-11-5	223-445-4	0.010
240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	EPA 3540C:1996, GC-MS	--	700-960-7	0.010

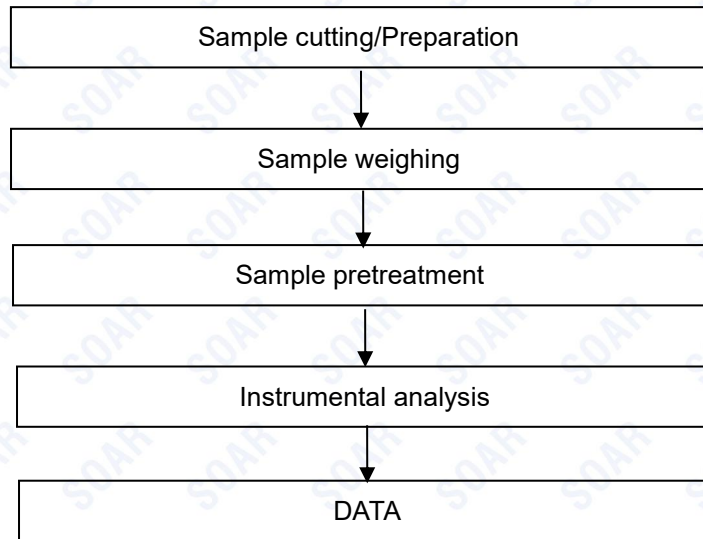
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**Test Flow Chart**

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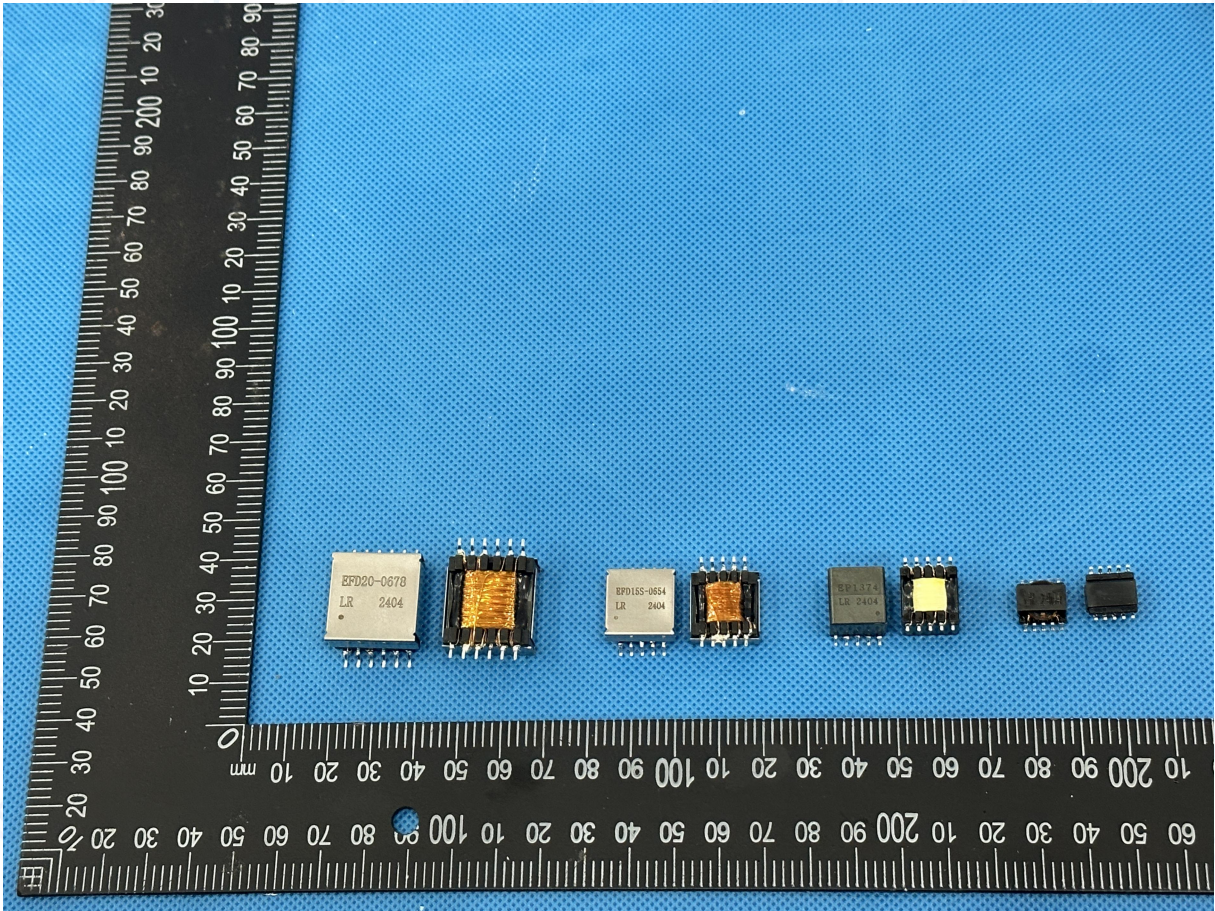
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**Photo of the Sample:**



The photo is for use with SOAR original report only.

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

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