

REACH TEST REPORT

Product Name:	projector
Trademark:	Sainyer
Model Number:	S6
Prepared For:	Zhongshan Saier Intelligent Technology Co., Ltd
Address:	Area A, Floor 4, NO.1 Factory Building, NO.77 Huanzhou North Road, Tanzhou Town, Zhongshan City, Guangdong, China
Manufacturer:	Zhongshan Saier Intelligent Technology Co., Ltd
Address:	Area A, Floor 4, NO.1 Factory Building, NO.77 Huanzhou North Road, Tanzhou Town, Zhongshan City, Guangdong, China
Prepared By:	Zhongshan Saier Intelligent Technology Co., Ltd
Address:	Area A, Floor 4, NO.1 Factory Building, NO.77 Huanzhou North Road, Tanzhou Town, Zhongshan City, Guangdong, China
Report No.:	AST2208204002

Aerospace Testing Technology (Shenzhen) Co., Ltd.

Applicant : Zhongshan Saier Intelligent Technology Co., Ltd

Address : Area A, Floor 4, NO.1 Factory Building, NO.77 Huanzhou North Road, Tanzhou Town, Zhongshan City, Guangdong, China

Manufacturer : Zhongshan Saier Intelligent Technology Co., Ltd

Address : Area A, Floor 4, NO.1 Factory Building, NO.77 Huanzhou North Road, Tanzhou Town, Zhongshan City, Guangdong, China

EUT : projector

Model Number : S6

Model Difference : cp350 m8-a m8-g z8pro z9pro z10 z20 z30 q9 q10 x1 x2 x5 x8 x9 s7 s8 s9 s10 s11 s12 s13 s10 C16

Trademark: : Sainyer

Test Date : Aug. 5, 2022 To Aug. 11, 2022

Date of Report : Aug. 11, 2022

Test Result: : The equipment under test was found to be compliance with the requirements of the standards applied.

Test Procedure Used:

Two hundred and twenty-four (224) substances in the Candidate List of Substances of Very High A Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on - [\(EC\) No 1907/2006 concerning the REACH](#)

Prepared by : Kayla

Reviewed by : Megan

Approved by : Thomas



This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Aerospace Testing Technology (Shenzhen) Co., Ltd.



Summary of Test Results:

TEST REQUEST

CONCLUSION

Two hundred and twenty-four (224) *substances in the Candidate List of Substances of Very High A Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on - (EC) No 1907/2006 concerning the REACH*

Pass
(As remark)

Remark: According to the specified scope and analytical techniques, concentrations of SVHC(224 SVHC) are less than 0.1%(w/w) in the sample.

Results:

Tested components :

No.1 Metal (mixed)

No.2 Non-metal(mixed)

Chemical Substance	Results %(w/w)
	Tested components
	No.1
All Tested 72 SVHCs in Chemical List**	N.D.

Chemical Substance	Results %(w/w)
	Tested components
	No.2
All Tested 224 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 second version of ECHA “Guidance on requirements for substances in articles”, 2011, 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 second version of ECHA “Guidance on requirements for substances in articles”, 2011.
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, the 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.

No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
First batch					
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:(α -HBCDD, β -HBCDD, γ -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**		7784-40-9	232-064-2	0.010
11	Triethyl arsenate**		EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	15606-95-8	427-700-2
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
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
Second batch					
16	Anthracene oil		90640-80-5	292-602-7	0.010

No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
17	Anthracene oil, anthracene paste, distn. Lights	AfPS ProdSG:2014 GC-MS	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 sulphochromate 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
Third batch					
29	Trichloroethylene	EPA 3550C:2007& EPA 8270D:2014 GC-MS	79-01-6	201-167-4	0.010
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 **		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

No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%	
Fourth batch						
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	109-86-4	203-713-7	0.010	
39	2-Ethoxyethanol	GC-MS	110-80-5	203-804-1	0.010	
40	Cobalt(II) diacetate **		71-48-7	200-755-8	0.010	
41	Cobalt(II) carbonate **	EPA 3050B:1996& EPA 3052:1996&	513-79-1	208-169-4	0.010	
42	Cobalt(II) dinitrate **	EPA 6010C:2007 ICP-OES	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:	Chromic acid**		7738-94-5	231-801-5	0.010
		Dichromic acid**	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	13530-68-2	236-881-5	0.010
		Oligomers of chromic acid and dichromic acid**		-	-	0.010
Fifth batch						
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	7803-57-8 302-01-2	206-114-9	0.010	
49		GC-MS	872-50-4	212-828-1	0.010	
50	1-methyl-2-pyrrolidone		96-18-4	202-486-1	0.010	
51	1,2,3-trichloropropane					
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	

No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
Sixth batch					
52	Dichromium tris(chromate)**	EPA 3050B:1996& EPA 3052:1996&	24613-89-6	246-356-2	0.010
53	Potassium hydroxyoctaoxodizincate di-chromate**	EPA 6010C:2007 ICP-OES & UV-Vis	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		90-04-0	201-963-1	0.010
58	4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol)	EPA 3550C:2007& EPA 8270D:2014	140-66-9	205-426-2	0.010
59	1,2-Dichloroethane	GC-MS	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
62	Calcium arsenate**	EPA 3052:1996&	7778-44-1	231-904-5	0.010
63	Trilead diarsenate**	EPA 6010C:2007 ICP-OES	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**		13424-46-9	236-542-1	0.010
68	Lead styphnate**	EPA 3050B:1996&	15245-44-0	239-290-0	0.010
69	Lead dipicrate**	EPA 3052:1996&	6477-64-1	229-335-2	0.010
70	Aluminosilicate Refractory Ceramic Fibres (RCF)**	EPA 6010C:2007 ICP-OES	-	-	0.010
71	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)**		-	-	0.010
Seventh batch					

No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
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& EPA 6010C:2007 ICP-OES	1303-86-2	215-125-8	0.010
75	Lead(II)bis(methanesulfonate)**		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 GC-MS	90-94-8	202-027-5	0.010
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)		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 \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
82	[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
83	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)]	EPA 3550C:2007& EPA 8321B:2007 HPLC	6786-83-0	229-851-8	0.010
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol with \geq 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

No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
Eighth batch					
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		307-55-1	206-203-2	0.010
88	Henicosafuoroundecanoic acid	EPA 3550C:2007& EPA 8321B:2007 HPLC	2058-94-8	218-165-4	0.010
89	Heptacosafuorotetradecanoic acid		376-06-7	206-803-4	0.010
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 , 14166-21-3 625-45-6	201-604-9, 236- 086-3, 238-009-9	0.010
95	Methoxy acetic acid			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 776297-69- 9	210-088-4	0.010
98	N-pentyl-isopentylphthalate			-	0.010
99	1,2-diethoxyethane	EPA 3550C:2007&	629-14-1	211-076-1	0.010

No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
100	N,N-dimethylformamide	EPA 8270D:2014 GC-MS	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**		51404-69-4	257-175-3	0.010
103	Trilead bis(carbonate) dihydroxide**	EPA 3050B:1996& EPA 3052:1996&	1319-46-6	215-290-6	0.010
104	Lead oxide sulfate**	EPA 6010C:2007 ICP-OES	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&	12578-12-0	235-702-8	0.010
107	Fatty acids, C16-18, lead salts**	EPA 3052:1996& EPA 6010C:2007	91031-62-8	292-966-7	0.010
108	Lead bis(tetrafluoroborate)**	ICP-OES	13814-96-5	237-486-0	0.010
109	Lead cyanamidate**		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	64-67-5	200-589-6	0.010
126	Dimethyl sulphate	HPLC	77-78-1	201-058-1	0.010
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1, 3-oxazolidine		143860-04- 2	421-150-7	0.010
128	Dinoseb	EPA 3550C:2007&	88-85-7	201-861-7	0.010

No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
120	4,4'-methylenedi- <i>o</i> -toluidine	EPA 8270D:2014 GC-MS	838-88-0	212-658-8	0.010
120	4,4'-oxydianiline and its salts		101-80-4	202-977-0	0.010
121	4-aminoazobenzene		60-09-3	200-453-6	0.010
132	4-methyl- <i>m</i> -phenylenediamine (toluene-2,4-diamine)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	95-80-7	202-453-1	0.010
133	6-methoxy- <i>m</i> -toluidine (p-cresidine)		120-71-8	204-419-1	0.010
134	Biphenyl-4-ylamine		92-67-1	202-177-1	0.010
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
Ninth batch					
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
Tenth batch					
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

No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
147	Disodium 3,3'-[[[1,1'-biphenyl]-4,4'-diylbis(azo)] bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	EPA 3550C:2007& EPA 8321B:2007 HPLC	573-58-0	209-358-4	0.010
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 25155-23-1	202-506-9 246-677-8	0.010 0.010
150	Trixylyl phosphate	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	301-04-2	206-104-4	0.010
Eleventh batch					
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**		10108-64-2	233-296-7	0.010
154	Sodium perborate; perboric acid, sodium salt**	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	-	239-172-9 234-390-0	0.010
155	Sodium peroxometaborate**		7632-04-4	231-556-4	0.010
Twelfth batch					
156	2-(2H-benzotriazol-2-yl)-4,6-ditertphenylphenol (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-butylphenol (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-oxoethyl]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

No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
161	Cadmium sulphate**	EPA 6010C:2007 ICP-OES	10124-36-4 31119-53-6	233-331-6	0.010
Thirteenth batch					
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)		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]	EPA 3550C:2007& EPA 8270D:2014 GC-MS	-	-	0.010
Fourteenth batch					
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-chlorobenzotriazol-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)	EPA 3540C:1996, GC-FID	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-heptadecafluorononanoic acid and its sodium and ammonium salts)	EPA 3540C:1996& EPA 8321B:2007, LC-MS	375-95-1, 21049-39-8 4149-60-4	206-801-3	0.010
Fifteenth batch					
169	Benzo[def]chrysene (Benzo[a]pyrene)	AfPS ProdSG:2014 GC-MS	50-32-8	200-028-5	0.010
Sixteenth batch					
170	4,4'-isopropylidenediphenol (bisphenol A)	EPA 3550C:2007& EPA 8321B:2007, HPLC	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

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
Seventeenth batch					
174	Perfluorohexane-1-sulphonic acid and its salts	EPA 3550C:2007& EPA 8270D:2014 LC-MS	355-46-4	206-587-1	0.010
Eighteenth batch					
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
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

No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
Nineteenth batch					
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
Twentieth batch					
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		207-08-9	205-916-6	0.010
195	Fluoranthene		206-44-0	205-912-4	0.010
196	Phenanthrene	AfPS ProdSG:2014 GC-MS	85-01-8	201-581-5	0.010
197	Pyrene		129-00-0	204-927-3	0.010
Twenty-first batch					
198	2,3,3,3-tetrafluoro-2-(heptafluoropro poxyl)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) HFPO-DA		-	-	0.010
199	2-methoxyethyl acetate		110-49-6	203-772-9	0.010

No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
200	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	EPA 8270D:2014 GC-MS	-	-	0.010
201	p-tert-Butylphenol,4-t-Butylphenol (PTBP)		98-54-4	202-679-0	0.010
Twenty-two batch					
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
Twenty-three batch					
206	1-vinylimidazole		1072-63-5	214-012-0	0.010
207	2-methylimidazole		693-98-1	211-765-7	0.010
208	Butyl 4-hydroxybenzoate	EPA 3540C:1996, HPLC	94-26-8	202-318-7	0.010
209	Dibutylbis(pentane-2,4-dionato-O,O')		22673-19-4	245-152-0	0.010
Twenty-four batch					
210	bis(2-(2-methoxyethoxy)ethyl) ether	EPA 3540C:1996, HPLC	143-24-8	---	0.010
211	Diocyltin 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
Twenty-five batch					
212	1,4-dioxane	EPA 3540C:1996, GC-MS	123-91-1	204-661-8	0.010

No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
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)propionaldehyd	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
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
Twenty-six batch					
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-	EPA 3540C:1996, GC-MS	119-47-1	204-327-1	0.010

No.	Chemical Substance Name(s)	Refer to Test Method/ Instrument	CAS No.	EC No.	RL%
222	S-(tricyclo[5.2.1.0 ^{2,6}]deca-3-en-8(o r 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
Twenty-seven batch					
224	N-(hydroxymethyl)acrylamide	EPA 3540C:1996, GC-MS	924-42-5	213-103-2	0.010

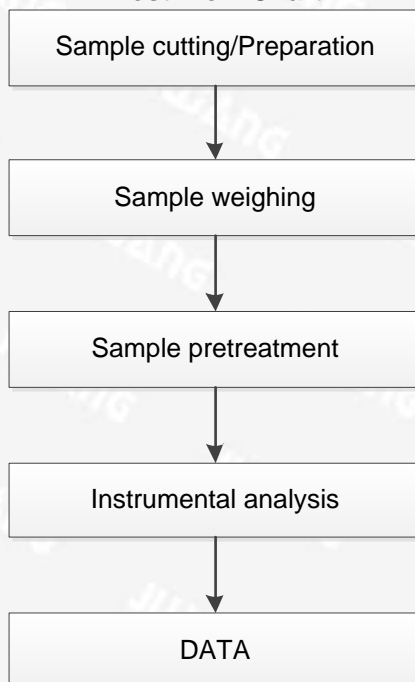


Remark:

- 1. Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).
 - 1) Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance
 - 2) On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.
- 2. The supplier of a substance that is included in the Candidate List on their own shall provide the recipient of the substance with a safety data sheet for free compiled in accordance with Article 3 and Annex II of REACH.
- 3. The supplier of a mixture that containing a substance that is included in the Candidate List shall exchange information in accordance with Article 31, Article 32, and Annex II of REACH.
 - 1) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation meets the criteria for classification as dangerous in accordance with Directives 1999/45/EC.
 - 2) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation does not meet the criteria for classification as dangerous in accordance with Directive 1999/45/EC, but contains any substance that is included in the Candidate List in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures or ≥ 0.2 % by volume for gaseous mixtures.
- Flow chart appendix is included.
- Photo appendix is included.

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Test Flow Chart



Photograph of Sample

EUT Photo 1



EUT Photo 2



EUT Photo 3

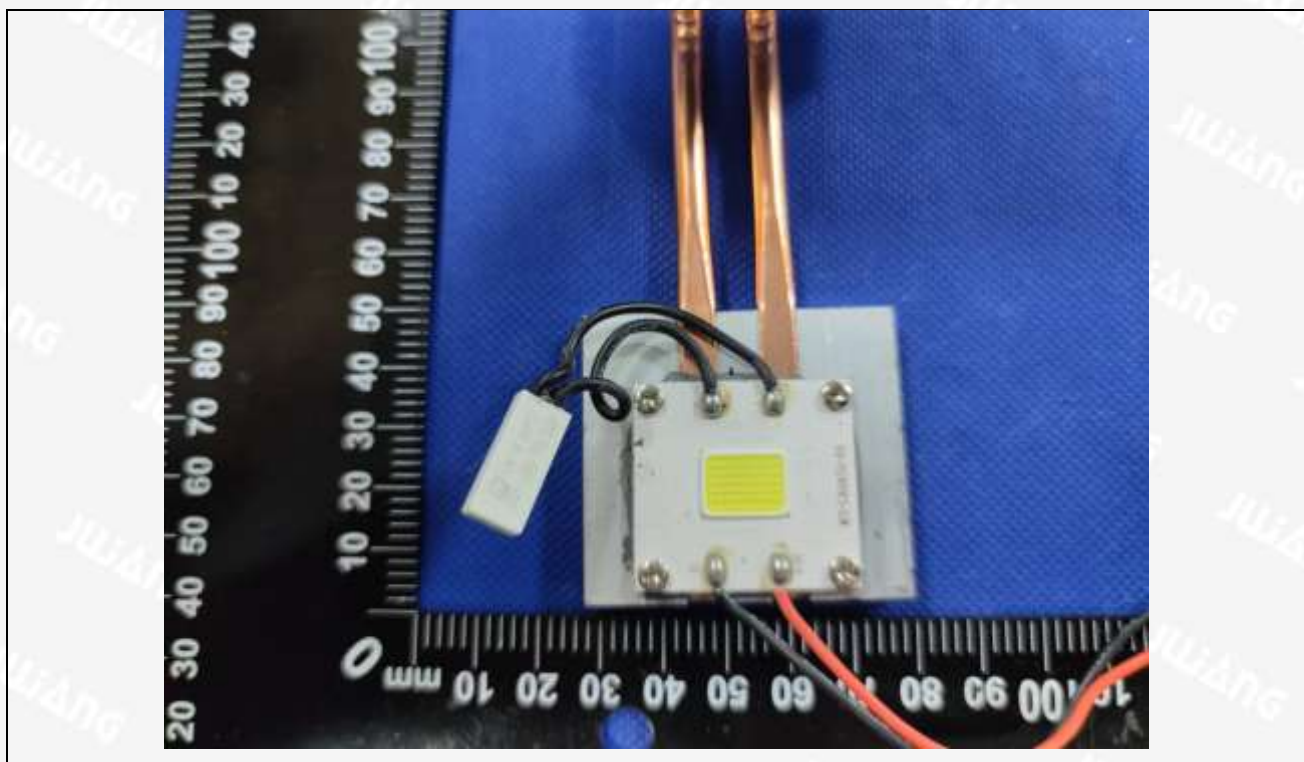


EUT Photo 4



Photograph of Sample

EUT Photo 5



EUT Photo 6

****End of Report***