

TEST REPORT

Report No.: R1SZ2-200403-03314E

Date: April 17, 2020

Page 1 of 19

Toyoda Gosei Co., Ltd
Haruhinagahata, Kiyosu, Aichi 452-8564 Japan

Report on the submitted samples said to be:

Sample Name: SMD PCT LED

Tested Style/Item No.: 2835

Additional Style/ Item No.: 2016、3528、3014、4014、3030、5050、5630、5730、4010、2110

Remark: As claimed by the material declaration submitted by the client, the material of Additional Style/ Item No. are the same as the tested Style/ Item No. . But the results only for the tested sample. And the applicant will undertake all differences and risk.

Sample Receiving Date: April 03,2020

Testing Period: April 03,2020 - April 09,2020

Result: **Please refer to next page(s).**

Signed for and on behalf of

BACL



Checked by: _____

May Chen



Approved by: _____

Lance Lee



TEST REPORT

Report No.: R1SZ2-200403-03314E

Date: April 17, 2020

Page 2 of 19

Summary of Test Result:

TEST REQUEST

CONCLUSION

A. Two hundred and five (205) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) regarding Regulation (EC) No 1907/2006 and its amendment directives concerning the REACH

See Remark

Remark:

According to the specified scope and analytical technique, concentrations of all 205 SVHC are <0.1% in the submitted sample(s).

FURNAL



TEST REPORT

Report No.: R1SZ2-200403-03314E

Date: April 17, 2020

Page 3 of 19

Result:

Tested part(s):

The tested parts of submitted sample are as following:

LED

Item	No.	(No.)Test Part(s)
(1)Hard plastic	1	White / orange plastic (LED)



TEST REPORT

Report No.: R1SZ2-200403-03314E

Date: April 17, 2020

Page 4 of 19

A. Two hundred and five (205) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) regarding Regulation (EC) No 1907/2006 and its amendment directives concerning the REACH

Test method: With reference to in- house method, Analysis is performed by ICP-AES, UV-VIS, IC, GC-MS, Headspace GC-MS, LC-MS/MS, HPLC-TS-MS.

Test Result(substances in the Candidate List of SVHC):

(1) The tested specimen was prepared as 1 kinds of admixture based on the similar materials principle, the content of SVHC in every admixture as following:

No.	Item	CAS No.	EC No.	Unit	MDL	Result	Category
						(1)	
/	All tested 205 SVHC in the Candidate	/	/	mg/Kg	50	N.D.	/

(2) According to the weight proportion, calculated the content of SVHC in each articles as following:

No.	Item	CAS No.	EC No.	Unit	MDL	Result	Category
/	All tested 205 SVHC in the Candidate	/	/	mg/Kg	50	N.D.	/

TEST REPORT

Report No.: R1SZ2-200403-03314E

Date: April 17, 2020

Page 5 of 19

Note:

- Please refer to Appendix I for the full list of tested SVHC.
- N.D.= Not Detected or less than MDL
- MDL = Method Detection Limit
- 0.1%=1000mg/kg.
- * = Calculated concentration of Cobalt Dichloride(CoCl₂) is based on the identified heavy metal and anion result. Calculated concentration of Diarsenic Pentaoxide(As₂O₅), Diarsenic Trioxide(As₂O₃), Sodium Dichromate, Dihydrate, Lead Hydrogen Arsenate and Triethyl Arsenate, Disodium tetraborate, anhydrous , Tetraboron disodium heptaoxide, hydrate, Sodium chromate , Potassium chromate, Ammonium dichromate, Potassium dichromate, Cobalt(II) sulfate, Cobalt(II) dinitrate, Cobalt(II) carbonate, Cobalt(II) diacetate, Chromium trioxide, Chromic acid,, Dichromic acid, Oligomers of chromic acid and dichromic acid, strontium chromate, Calcium arsenate, Potassium hydroxyoctaoxidizincatedi-chromate, Lead dipicrate, Arsenic acid , Trilead diarsenate, Lead diazide, Lead azide, Lead styphnate, Dichromium tris(chromate), Diboron trioxide, Lead(II) bis(methanesulfonate), Acetic acid, lead salt, basic, Basic lead carbonate (trilead bis(carbonate)dihydroxide), Lead oxide sulfate (basic lead sulfate), [Phthalato(2-)]dioxotrilead (dibasic lead phthalate), Dioxobis (stearato)trilead, Fatty acids, C16-18, lead salts, Lead bis(tetrafluoroborate), Lead cyanamide, Lead dinitrate, Lead oxide (lead monoxide), Lead tetroxide (orange lead), Lead titanium trioxide, Lead Titanium Zirconium Oxide, Pentalead tetraoxide sulphate, Pyrochlore, antimony lead yellow C.I., 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], Silicic acid, lead salt, Sulfurous acid, lead salt, dibasic, Tetraethyllead, Tetralead trioxide sulphate, Trilead dioxide phosphonate, Cadmium oxide, Cadmium sulphide, Lead di(acetate), Sodium peroxometaborate, Cadmium chloride , Sodium perborate; perboric acid, sodium salt, Cadmium fluoride, Cadmium sulphate are based on the identified heavy metal result. Identity of above metal substances present in the article has to be further confirmed.
- ** = Calculated concentration of bis(tributyltin)oxide TBTO is based on the identified tributyltin, TBT Result. The result is a screening test of TBTO and can cover TBTO and other salts under current technologies. Further investigation is required if the exact amount of TBTO has to be determined.
- *** = Calculated concentration of these coal-tar products is based on the identified polycyclic aromatic hydrocarbons (PAHs) and heterocyclic compounds.
- **** = Calculated concentration of these Aluminosilicate and Zirconia Aluminosilicate is based on the identified aluminum and zirconium Result by ICP-AES.
- ***** = The substance does only fulfil the criteria of REACH Art. 57 (a) if it contains Michler's ketone (EC Number: 202-027-5) or Michler's base (EC Number: 202-959-2) in a concentration $\geq 0.1\%$ (weight / weight).
- Carcinogenic, Mutagenic or toxic to Reproduction (CMR), meeting the criteria for classification in category 1 or 2 in accordance with Directive 67/548/EEC, Persistent, Bioaccumulative and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB) according to the criteria in Annex of XIII of the REACH Regulation, and/or Identified, on a case-by-case basis, from scientific evidence as causing probable serious effects to human health or the environment of an equivalent level of concern as those above (e.g. endocrine disrupters).
- The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the list published by ECHA:
<https://echa.europa.eu/candidate-list-table>
This list is under evaluation by ECHA and may subject to change in the future.
- If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.
- # = Composite testing.
- Photo appendix II is included.

TEST REPORT

Report No.: R1SZ2-200403-03314E

Date: April 17, 2020

Page 6 of 19

Appendix I

Full list of tested SVHC:

No.	Item	CAS No.	EC No.	Unit	MDL	Category
1	Anthracene(ANT)	120-12-7	204-371-1	mg/Kg	50	PBT
2	4,4'-diaminobiphenymethane (MDA)	101-77-9	202-974-4	mg/Kg	50	CMR
3	Dibutyl Phthalate(DBP)	84-74-2	201-557-4	mg/Kg	50	CMR
4	Cobalt Dichloride(CoCl2)*	7646-79-9	231-589-4	mg/Kg	50	CMR
5	Diarsenic Pentaoxide(As2O5)*	1303-28-2	215-116-9	mg/Kg	50	CMR
6	Diarsenic Trioxide(As2O3)*	1327-53-3	215-481-4	mg/Kg	50	CMR
7	Sodium Dichromate, Dihydrate*	7789-12-0; 10588-01-9	234-190-3	mg/Kg	50	CMR
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	mg/Kg	50	vPvB
9	Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	204-211-0	mg/Kg	50	Equivalent level of concern having probable serious effects to the environment (Article 57 f); Toxic for reproduction (article 57c)
10	Hexabromocyclododecane (HBCDD)	25637-99-4 & 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)	247-148-4; 221-695-9	mg/Kg	50	PBT
11	Alkanes, C10-13, chloro(Short Chain Chlorinated Paraffins) (SCCP)	85535-84-8	287-476-5	mg/Kg	50	PBT
12	Bis(tributyltin)oxide(TBTO)**	56-35-9	200-268-0	mg/Kg	50	PBT
13	Lead Hydrogen Arsenate*	7784-40-9	232-064-2	mg/Kg	50	CMR
14	Benzyl Butyl Phthalate(BBP)	85-68-7	201-622-7	mg/Kg	50	CMR
15	Triethyl Arsenate*	15606-95-8	427-700-2	mg/Kg	50	CMR
16	Anthracene oil***	90640-80-5	292-602-7	mg/Kg	50	PBT
17	Anthracene oil, anthracene paste, distn. lights***	91995-17-4	295-278-5	mg/Kg	50	PBT
18	Anthracene oil, anthracene paste, anthracene fraction***	91995-15-2	295-275-9	mg/Kg	50	PBT
19	Anthracene oil, Anthracene-low***	90640-82-7	292-604-8	mg/Kg	50	PBT
20	Anthracene oil, anthracene paste***	90640-81-6	292-603-2	mg/Kg	50	PBT
21	Diisobutyl phthalate(DIBP)	84-69-5	201-553-2	mg/Kg	50	CMR

TEST REPORT

Report No.: R1SZ2-200403-03314E

Date: April 17, 2020

Page 7 of 19

No.	Item	CAS No.	EC No.	Unit	MDL	Category
22	2,4-Dinitrotoluene	121-14-2	204-450-0	mg/Kg	50	CMR
23	coal tar pitch, high temperature***	65996-93-2	266-028-2	mg/Kg	50	PBT
24	tris(2-chloroethyl)phosphate	115-96-8	204-118-5	mg/Kg	50	CMR
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	mg/Kg	50	CMR
26	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	235-759-9	mg/Kg	50	CMR
27	Lead chromate: chrome yellow	7758-97-6	231-846-0	mg/Kg	50	CMR
28	Acrylamide	79-06-1	201-173-7	mg/Kg	50	CMR
29	Trichloroethylene	79-01-6	201-167-4	mg/Kg	50	CMR
30	Boric acid	10043-35-3; 11113-50-1	233-139-2; 234-343-4	mg/Kg	50	CMR
31	Disodium tetraborate, anhydrous*	1330-43-4;12179-04-3;1303-96-4	215-540-4	mg/Kg	50	CMR
32	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	mg/Kg	50	CMR
33	Sodium chromate*	7775-11-3	231-889-5	mg/Kg	50	CMR
34	Potassium chromate*	7789-00-6	232-140-5	mg/Kg	50	CMR
35	Ammonium dichromate*	7789-09-5	232-143-1	mg/Kg	50	CMR
36	Potassium dichromate*	7778-50-9	231-906-6	mg/Kg	50	CMR
37	Cobalt(II) sulfate*	10124-43-3	233-334-2	mg/Kg	50	CMR
38	Cobalt(II) dinitrate*	10141-05-6	233-402-1	mg/Kg	50	CMR
39	Cobalt(II) carbonate*	513-79-1	208-169-4	mg/Kg	50	CMR
40	Cobalt(II) diacetate*	71-48-7	200-755-8	mg/Kg	50	CMR
41	2-Methoxyethanol	109-86-4	203-713-7	mg/Kg	50	CMR
42	2-Ethoxyethanol	110-80-5	203-804-1	mg/Kg	50	CMR
43	Chromium trioxide*	1333-82-0	215-607-8	mg/Kg	50	CMR
44	Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5; 13530-68-2	231-801-5;236-881-5	mg/Kg	50	CMR
45	2-Ethoxyethylacetate	111-15-9	203-839-2	mg/Kg	50	CMR
46	strontium chromate*	7789-06-2	232-142-6	mg/Kg	50	CRM
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters(DHNUP)	68515-42-4	271-084-6	mg/Kg	50	CMR

TEST REPORT

Report No.: R1SZ2-200403-03314E

Date: April 17, 2020

Page 8 of 19

No.	Item	CAS No.	EC No.	Unit	MDL	Category
48	Hydrazine	7803-57-8; 302-01-2	206-114-9	mg/Kg	50	CMR
49	1-methyl-2-pyrrolidone(NMP)	872-50-4	212-828-1	mg/Kg	50	CMR
50	1,2,3-Trichloropropane	96-18-4	202-486-1	mg/Kg	50	CMR
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich(DIHP(rich C7))	71888-89-6	276-158-1	mg/Kg	50	CMR
52	Zirconia Aluminosilicate Refractory Ceramic Fibres****	---	---	mg/Kg	50	CMR
53	Calcium arsenate*	7778-44-1	231-904-5	mg/Kg	50	CMR
54	Bis(2-methoxy ethyl)ether	111-96-6	203-924-4	mg/Kg	50	CMR
55	Aluminosilicate Refractory Ceramic Fibres(RCF)****	---	---	mg/Kg	50	CMR
56	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	234-329-8	mg/Kg	50	CMR
57	Lead dipicrate	6477-64-1	229-335-2	mg/Kg	50	CMR
58	N,N-Dimethylacetamide	127-19-5	204-826-4	mg/Kg	50	CMR
59	Arsenic acid	7778-39-4	231-901-9	mg/Kg	50	CMR
60	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	mg/Kg	50	CMR
61	Trilead diarsenate*	3687-31-8	222-979-5	mg/Kg	50	CMR
62	1,2-Dichloroethane	107-06-2	203-458-1	mg/Kg	50	CMR
63	Pentazinc chromate octahydroxide	49663-84-5	256-418-0	mg/Kg	50	CMR
64	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	205-426-2	mg/Kg	50	Equivalent level of concern having probable serious effects to the environment
65	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	500-036-1	mg/Kg	50	CMR
66	Bis(2-methoxyethyl) Phthalate (DMEP)	117-82-8	204-212-6	mg/Kg	50	CMR
67	Lead diazide, Lead azide*	13424-46-9	236-542-1	mg/Kg	50	CMR
68	Lead styphnate*	15245-44-0	239-290-0	mg/Kg	50	CMR
69	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	202-918-9	mg/Kg	50	CMR
70	Phenolphthalein	77-09-8	201-004-7	mg/Kg	50	CMR
71	Dichromium tris(chromate)*	24613-89-6	246-356-2	mg/Kg	50	CMR
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	mg/Kg	50	CMR

TEST REPORT

Report No.: R1SZ2-200403-03314E

Date: April 17, 2020

Page 9 of 19

No.	Item	CAS No.	EC No.	Unit	MDL	Category
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether(EGDME)	110-71-4	203-794-9	mg/Kg	50	CMR
74	Diboron trioxide*	1303-86-2	215-125-8	mg/Kg	50	CMR
75	Formamide(FMA)	75-12-7	200-842-0	mg/Kg	50	CMR
76	Lead(II) bis(methanesulfonate)*	17570-76-2	401-750-5	mg/Kg	50	CMR
77	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	219-514-3	mg/Kg	50	CMR
78	β -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	423-400-0	mg/Kg	50	CMR
79	4,4'-Bis(dimethylamino) benzophenone(Michler's ketone)	90-94-8	202-027-5	mg/Kg	50	CMR
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	mg/Kg	50	CMR
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3)*****	548-62-9	208-953-6	mg/Kg	50	CMR
82	[4-[[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl] methylene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)*****	2580-56-5	219-943-6	mg/Kg	50	CMR
83	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1 -methanol(C.I. Solvent Blue 4)*****	6786-83-0	229-851-8	mg/Kg	50	CMR
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol*****	561-41-1	209-218-2	mg/Kg	50	CMR
85	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163-19-5	214-604-9	mg/Kg	50	PBT
86	Pentacosaflluorotridecanoic acid (EGDME)	72629-94-8	276-745-2	mg/Kg	50	vPvB
87	Tricosaflluorododecanoic acid	307-55-1	206-203-2	mg/Kg	50	vPvB
88	Henicosaflluoroundecanoic acid	2058-94-8	218-165-4	mg/Kg	50	vPvB
89	Heptacosaflluorotetradecanoic acid	376-06-7	206-803-4	mg/Kg	50	vPvB

TEST REPORT

Report No.: R1SZ2-200403-03314E

Date: April 17, 2020

Page 10 of 19

No.	Item	CAS No.	EC No.	Unit	MDL	Category
90	4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	---	---	mg/Kg	50	Equivalent level of concern having probable serious effects to the environment
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	---	---	mg/Kg	50	Equivalent level of concern having probable serious effects to the environment
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	mg/Kg	50	Equivalent level of concern having probable serious effects to the environment
93	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	201-604-9;236-086-3;238-009-9	mg/Kg	50	Equivalent level of concern having probable serious effects to the environment
94	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0; 19438-60-9; 48122-14-1; 57110-29-9	247-094-1;243-072-0;256-356-4;260-566-1	mg/Kg	50	Equivalent level of concern having probable serious effects to the environment
95	Methoxyacetic acid	625-45-6	210-894-6	mg/Kg	50	CMR
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (DPIP)	84777-06-0	284-032-2	mg/Kg	50	CMR
97	Diisopentylphthalate (DIPP)	605-50-5	210-088-4	mg/Kg	50	CMR
98	N-pentyl-iso-pentyl Phthalate (PIPP)	776297-69-9	---	mg/Kg	50	CMR
99	1,2-Diethoxyethane	629-14-1	211-076-1	mg/Kg	50	CMR
100	N,N-dimethylformamide	68-12-2	200-679-5	mg/Kg	50	CMR
101	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	mg/Kg	50	CMR
102	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	mg/Kg	50	CMR

TEST REPORT

Report No.: R1SZ2-200403-03314E

Date: April 17, 2020

Page 11 of 19

No.	Item	CAS No.	EC No.	Unit	MDL	Category
103	Basic lead carbonate (trilead bis (carbonate)dihydroxide)*	1319-46-6	215-290-6	mg/Kg	50	CMR
104	Lead oxide sulfate (basic lead sulfate)*	12036-76-9	234-853-7	mg/Kg	50	CMR
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)*	69011-06-9	273-688-5	mg/Kg	50	CMR
106	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	mg/Kg	50	CMR
107	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	mg/Kg	50	CMR
108	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	mg/Kg	50	CMR
109	Lead cyanamidate*	20837-86-9	244-073-9	mg/Kg	50	CMR
110	Lead dinitrate*	10099-74-8	233-245-9	mg/Kg	50	CMR
111	Lead oxide (lead monoxide)*	1317-36-8	215-267-0	mg/Kg	50	CMR
112	Lead tetroxide (orange lead)*	1314-41-6	215-235-6	mg/Kg	50	CMR
113	Lead titanium trioxide*	12060-00-3	235-038-9	mg/Kg	50	CMR
114	Lead Titanium Zirconium Oxide*	12626-81-2	235-727-4	mg/Kg	50	CMR
115	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	mg/Kg	50	CMR
116	Pyrochlore, antimony lead yellow C.I.*	8012-00-8	232-382-1	mg/Kg	50	CMR
117	Silicic acid (H ₂ Si ₂ O ₅), 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	272-271-5	mg/Kg	50	CMR
118	Silicic acid, lead salt*	11120-22-2	234-363-3	mg/Kg	50	CMR
119	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	mg/Kg	50	CMR
120	Tetraethyllead*	78-00-2	201-075-4	mg/Kg	50	CMR
121	Tetralead trioxide sulphate*	12202-17-4	235-380-9	mg/Kg	50	CMR
122	Trilead dioxide phosphonate*	12141-20-7	235-252-2	mg/Kg	50	CMR
123	Furan	110-00-9	203-727-3	mg/Kg	50	CMR
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	mg/Kg	50	CMR
125	Diethyl sulfate	64-67-5	200-589-6	mg/Kg	50	CMR

TEST REPORT

Report No.: R1SZ2-200403-03314E

Date: April 17, 2020

Page 12 of 19

No.	Item	CAS No.	EC No.	Unit	MDL	Category
126	Dimethyl sulfate	77-78-1	201-058-1	mg/Kg	50	CMR
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	mg/Kg	50	CMR
128	Dinoseb	88-85-7	201-861-7	mg/Kg	50	CMR
129	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	mg/Kg	50	CMR
130	4,4'-oxydianiline and its salts	101-80-4	202-977-0	mg/Kg	50	CMR
131	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	200-453-6	mg/Kg	50	CMR
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	202-453-1	mg/Kg	50	CMR
133	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	mg/Kg	50	CMR
134	Biphenyl-4-ylamine	92-67-1	202-177-1	mg/Kg	50	CMR
135	o-aminoazotoluene	97-56-3	202-591-2	mg/Kg	50	CMR
136	o-Toluidine	95-53-4	202-429-0	mg/Kg	50	CMR
137	N-Methylacetamide	79-16-3	201-182-6	mg/Kg	50	CMR
138	1-bromopropane; n-propyl bromide	106-94-5	203-445-0	mg/Kg	50	CMR
139	Cadmium(Cd)	7440-43-9	231-152-8	mg/Kg	50	CMR
140	Cadmium oxide*	1306-19-0	215-146-2	mg/Kg	50	CMR
141	Ammonium pentadecafluorooctanoate(APFO)	3825-26-1	223-320-4	mg/Kg	50	PBT
142	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	mg/Kg	50	PBT
143	Dipentyl phthalate(DPP)(DPP)	131-18-0	205-017-9	mg/Kg	50	PBT
144	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]	---	---	mg/Kg	50	Equivalent level of concern having probable serious effects to the environment
145	Cadmium sulphide*	1306-23-6	215-147-8	mg/Kg	50	Equivalent level of concern having probable serious effects to the environment

TEST REPORT

Report No.: R1SZ2-200403-03314E

Date: April 17, 2020

Page 13 of 19

No.	Item	CAS No.	EC No.	Unit	MDL	Category
146	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	1937-37-7	217-710-3	mg/Kg	50	CMR
147	Dihexyl phthalate	84-75-3	201-559-5	mg/Kg	50	PBT
148	Imidazolidine-2-thione(2-imidazoline-2-thiol)	96-45-7	202-506-9	mg/Kg	50	PBT
149	Trixylyl phosphate(TXP)	25155-23-1	246-677-8	mg/Kg	50	PBT
150	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	209-358-4	mg/Kg	50	CMR
151	Lead di(acetate)*	301-04-2	206-104-4	mg/Kg	50	PBT
152	Sodium peroxometaborate*	7632-04-4	231-556-4	mg/Kg	50	Toxic for reproduction
153	Cadmium chloride*	10108-64-2	233-296-7	mg/Kg	50	CMR Equivalent level of concern having probable serious effects to human health (Article 57 f)
154	1,2-Benzenedicarboxylic Acid, dihexyl ester, branched and linear (DIHP)	68515-50-4	271-093-5	mg/Kg	50	Toxic for reproduction
155	Sodium perborate; perboric acid, sodium salt*	---	239-172-9;234-390-0	mg/Kg	50	Toxic for reproduction
156	Cadmium fluoride*	7790-79-6	232-222-0	mg/Kg	50	CMR, Equivalent level of concern having probable serious effects to human health (Article 57 f)
157	Cadmium sulphate*	10124-36-4; 31119-53-6	233-331-6	mg/Kg	50	CMR, Equivalent level of concern having probable serious effects to human health (Article 57 f)
158	2-benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	mg/Kg	50	PBT (Article 57 d); vPvB (Article 57 e)
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	mg/Kg	50	PBT (Article 57 d);vPvB (Article 57 e)
160	2-ethylhexyl 10-ethyl-4,4- dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate(DOTE)	15571-58-1	239-622-4	mg/Kg	50	Toxic for reproduction (Article 57 c)

TEST REPORT

Report No.: R1SZ2-200403-03314E

Date: April 17, 2020

Page 14 of 19

No.	Item	CAS No.	EC No.	Unit	MDL	Category
161	reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	---	---	mg/Kg	50	Toxic for reproduction (Article 57 c)
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	mg/Kg	50	Toxic for reproduction (Article 57 c)
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]	---	---	mg/Kg	50	vPvB(Article 57e)
164	Nitrobenzene	98-95-3	202-716-0	mg/Kg	50	Toxic for reproduction (Article 57 c)
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol(UV-327)	3864-99-1	223-383-8	mg/Kg	50	vPvB (Article 57 e)
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol(UV-350)	36437-37-3	253-037-1	mg/Kg	50	vPvB (Article 57 e)
167	1,3-Propane sultone	1120-71-4	214-317-9	mg/Kg	50	Carcinogenic(Article 57 a)
168	Perfluorononan-1-oiic-acid and its sodium and ammonium salts	375-95-1; 21049-39-8; 4149-60-4	206-801-3	mg/Kg	50	Toxic for reproduction (Article 57 c) PBT (Article 57 d)
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	200-028-5	mg/Kg	50	Carcinogenic (Article 57 a) Mutagenic (Article 57 b) Toxic for reproduction (Article 57 c) PBT (Article 57 d) vPvB (Article 57 e)
170	p-(1,1-dimethylpropyl)phenol (PTAP)	80-46-6	201-280-9	mg/Kg	50	Equivalent level of concern having probable serious effects to environment (Article 57 f)
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2; 3830-45-3; 3108-42-7	206-400-3;-221-470-5;	mg/Kg	50	Toxic for reproduction (Article 57c) PBT (Article 57d)

TEST REPORT

Report No.: R1SZ2-200403-03314E

Date: April 17, 2020

Page 15 of 19

No.	Item	CAS No.	EC No.	Unit	MDL	Category
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]	---	---	mg/Kg	50	Endocrine disrupting properties (Article 57(f) - environment)
173	4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	201-245-8	mg/Kg	50	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)
174	Perfluorohexane-1-sulphonic acid and its salts(PFHxS)	---	---	mg/Kg	50	vPvB (Article 57e)
175	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	---	---	mg/Kg	50	Endocrine disrupting properties (Article 57(f) - environment)
176	Dodecachloropentacyclo [12.2.1.16,9.02,13.05,10] octadeca-7,15-diene ("Dechlorane Plus™")[covering any of its individual isomers or any combination thereof]	---	---	mg/Kg	50	vPvB (Article 57 e)
177	Chrysene(CHR)	218-01-9, 1719-03-5	205-923-4	mg/Kg	50	Carcinogenic (Article 57 a) PBT (Article 57 d) vPvB (Article 57 e)
178	Cadmium nitrate	10022-68-1; 10325-94-7	233-710-6	mg/Kg	50	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
179	Cadmium hydroxide	21041-95-2	244-168-5	mg/Kg	50	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
180	Cadmium carbonate	513-78-0	208-168-9	mg/Kg	50	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
181	Benz[a]anthracene	56-55-3; 1718-53-2	200-280-6	mg/Kg	50	Carcinogenic (Article 57 a) PBT (Article 57 d) vPvB (Article 57 e)
182	Terphenyl, hydrogenated	61788-32-7	262-967-7	mg/Kg	50	vPvB (Article 57 e)

TEST REPORT

Report No.: R1SZ2-200403-03314E

Date: April 17, 2020

Page 16 of 19

No.	Item	CAS No.	EC No.	Unit	MDL	Category
183	Octamethylcyclotetrasiloxane(D4)	556-67-2	209-136-7	mg/Kg	50	PBT (Article 57 d) vPvB (Article 57 e)
184	Lead(Pb)	7439-92-1	231-100-4	mg/Kg	50	Toxic for reproduction (Article 57 c)
185	Ethylenediamine(EDA)	107-15-3	203-468-6	mg/Kg	50	Respiratory sensitising properties (Article 57 (f)-human health)
186	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	mg/Kg	50	PBT (Article 57 d);vPvB (Article 57 e)
187	Disodium octaborate	12008-41-2	234-541-0	mg/Kg	50	Toxic for reproduction (Article 57c)
188	Dicyclohexyl Phthalate(DCHP)	84-61-7	201-545-9	mg/Kg	50	Toxic for reproduction (Article 57 c) Endocrine disrupting properties (Article 57(f)-human health)
189	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	mg/Kg	50	PBT (Article 57 d) vPvB (Article 57 e)
190	Benzo[g,h,i]perylene (BPE)	191-24-2	205-883-8	mg/Kg	50	PBT (Article 57 d) vPvB (Article 57 e)
191	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride(trimellitic anhydride; TMA)	552-30-7	209-008-0	mg/Kg	50	Respiratory sensitising properties (Article 57 (f)-human health)
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	mg/Kg	50	Toxic for reproduction (Article 57 c)
193	Benzo[k]fluoranthene (BkFA)	207-08-9	205-916-6	mg/Kg	50	Carcinogenic(Article 57 a)PBT (Article 57 d)vPvB(Article 57 e)
194	Fluoranthene (FLT)	206-44-0	205-912-4	mg/Kg	50	PBT (Article 57 d) vPvB (Article 57 e)
195	Phenanthrene (PHE)	85-01-8	201-581-5	mg/Kg	50	vPvB (Article 57 e)
196	Pyrene (PYR)	129-00-0	204-927-3	mg/Kg	50	PBT (Article 57 d) vPvB (Article 57 e)
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	15087-24-8	239-139-9	mg/Kg	50	Endocrine disrupting properties (Article 57 (f)-environment)
198	2-Methoxyethyl Acetate(2-Methoxyethyl Acetate)	110-49-6	203-772-9	mg/Kg	50	Toxic for reproduction (Article 57 (c))
199	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	---	---	mg/Kg	50	Endocrine disrupting properties (Article 57(f) – environment)
200	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	---	---	mg/Kg	50	Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) Equivalent level of concern having probable serious effects to human health (Article 57 (f) – human health)

TEST REPORT

Report No.: R1SZ2-200403-03314E

Date: April 17, 2020

Page 17 of 19

No.	Item	CAS No.	EC No.	Unit	MDL	Category
201	4-tert-Butylphenol	98-54-4	202-679-0	mg/Kg	50	Endocrine disrupting properties (Article 57(f) – environment)
202	Diisohexyl phthalate(DIHxP)	71850-09-4	276-090-2	mg/Kg	50	Toxic for reproduction (Article 57c)
203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	mg/Kg	50	Toxic for reproduction (Article 57c)
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	mg/Kg	50	Toxic for reproduction (Article 57c)
205	Perfluorobutane sulfonic acid (PFBS) and its salts(PFBS)	--	--	mg/Kg	50	Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) Equivalent level of concern having probable serious effects to human health (Article 57 (f) – human health)

TEST REPORT

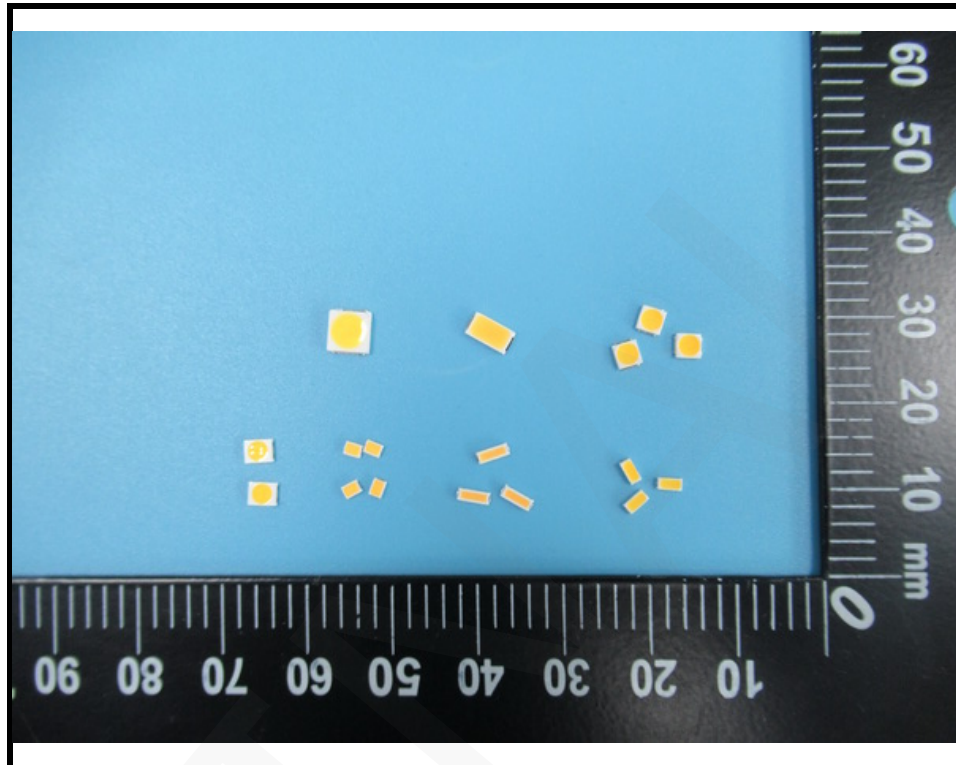
Report No.: R1SZ2-200403-03314E

Date: April 17, 2020

Page 18 of 19

Appendix II

Photograph of Sample



BACL authenticate the photo on original report only

TEST REPORT

Report No.: R1SZ2-200403-03314E

Date: April 17, 2020

Page 19 of 19

Statement:

- 1.This report cannot be reproduced except in full, without prior written approval of the Company.
- 2.Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
- 3.This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
- 4.Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
- 5.The information which provided by the applicant, such as sample description, sample name, material component, style/item No. , P.O. No. , manufacturer, age phase, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report.
- 6.The test samples were in good condition before testing.

*** End of Report ***