

**Test Report
(SVHC)**

No. CANEC1907722421

Date: 14 Jun 2019

Page 1 of 20

LUCKY LIGHT ELECTRONICS CO.,LTD.

No.19 2ND ROAD,QIUFULU COMMUNITY,DALANG TOWN,DONGGUAN CITY,GUANGDONG PROVINCE,CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : LAMP LED

SGS Job No. : CP19-021876 - SZ

Date of Sample Received : 30 Apr 2019

Testing Period : 30 Apr 2019 - 10 Jun 2019

Test Requested : As requested by client, SVHC screening is performed according to:
 (i) One hundred and ninety seven (197) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jan 15, 2019 regarding Regulation (EC) No 1907/2006 concerning the REACH.
 (ii) Additional One (1) Substances of Very High Concern (SVHC) identified by the notification of WTO on Feb 7, 2019.
 (iii) Three (3) substances in the Public Consultation List of potential Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on Mar 13, 2019 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Results : Please refer to next page(s).

Summary :

According to the specified scope and evaluation screening, the test results of SVHC are $\leq 0.1\%$ (w/w) in the selected parts of submitted sample.	PASS
---	------

Signed for and on behalf of
 SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch



Zm guan
 Approved Signatory



Remark :

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

2. REACH obligation:

2.1 Concerning article(s):

Communication:

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 by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

Notification:

In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

SGS adopts the ruling of the Court of Justice of the European Union on the definition of an article under REACH unless indicated otherwise. Detail explanation is available at the following link:

<http://www.sgs.com/-/media/global/documents/technical-documents/technical-bulletins/sgs-crs-position-statement-on-svhc-in-articles-a4-en-16-06.pdf?la=en>

2.2 Concerning material(s):

Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

2.3 Concerning substance and preparation:

If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety



Test Report (SVHC)

No. CANEC1907722421

Date: 14 Jun 2019

Page 3 of 20

Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:

- a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
- a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or
- a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:
 - (a) a substance posing human health or environmental hazards in an individual concentration of $\geq 1\%$ by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or $\geq 0.2\%$ by volume for gaseous mixtures; or
 - (b) a substance that is PBT, or vPvB in an individual concentration of $\geq 0.1\%$ by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
 - (c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of $\geq 0.1\%$ by weight for non-gaseous mixtures; or
 - (d) a substance for which there are Europe-wide workplace exposure limits.

3. 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.

Test Sample :

Sample Description :

Specimen No.	SGS Sample ID	Description	No. of SVHC Tested
SN1	CAN19-077224.002	Colorless transparent plastic	201
SN2	CAN19-077224.003	Silvery metal pin	71

Test Method :

SGS In-House method- GZTC CHEM-TOP-092-01, GZTC CHEM-TOP-092-02, Analyzed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method.



**Test Report
(SVHC)**

No. CANEC1907722421

Date: 14 Jun 2019

Page 4 of 20

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

Batch	Substance Name	CAS No.	002 Concentration (%)	RL (%)
-	All tested SVHC in candidate list	-	ND	-

Test Result: (Substances in the Consultation List of potential SVHC)

Batch	Substance Name	CAS No.	002 Concentration (%)	RL (%)
-	All tested SVHC in consultation list	-	ND	-

Test Result:(Additional SVHC)

Batch	Substance Name	CAS No.	002 Concentration (%)	RL (%)
-	All tested SVHC	-	ND	-

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

Batch	Substance Name	CAS No.	003 Concentration (%)	RL (%)
-	All tested SVHC in candidate list	-	ND	-



Notes :

1. The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.
 2. RL = Reporting Limit. All RL are based on homogenous material. ND = Not detected (lower than RL), ND is denoted on the SVHC substance.
 3. * The test result is based on the calculation of selected element(s) and to the worst-case scenario.
 - ** The test result is based on the calculation of selected marker(s) and to the worst-case scenario.
- For detail information, please refer to the SGS REACH website:
<http://www.sgs.com/en/Consumer-Goods-Retail/Toys-and-Juvenile-Products/Toys/REACH/Management-of-SVHC.aspx>
4. RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, cadmium, titanium and barium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)).
 5. Calculated concentration of boric compounds are based on the water extractive boron by ICP-OES.
 6. Δ CAS No. of diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD): 134237-50-6, 134237-51-7, 134237-52-8.
 7. ☆ CAS No. of 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; EC No. of those: 247-094-1, 243-072-0, 256-356-4, 260-566-1.
 8. § The substance is proposed for the identification as SVHC only where it contains Michler's ketone (CAS Number: 90-94-8) or Michler's base (CAS Number: 101-61-1) ≥0.1% (w/w).
 9. Add. = Additional identified SVHC, / = Substances in the Consultation List of SVHC.



Test Report (SVHC)

No. CANEC1907722421

Date: 14 Jun 2019

Page 6 of 20

Appendix

Full list of tested SVHC:

Batch	No.	Substance Name	CAS No.	RL (%)	Sample ID
I	1	4,4' -Diaminodiphenylmethane(MDA)	101-77-9	0.050	002
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.050	002
I	3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.050	002
I	4	Anthracene	120-12-7	0.050	002
I	5	Benzyl butyl phthalate (BBP)	85-68-7	0.050	002
I	6	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	0.050	002
I	7	Bis(tributyltin)oxide (TBTO)	56-35-9	0.050	002
I	8	Cobalt dichloride*	7646-79-9	0.005	002,003
I	9	Diarsenic pentaoxide*	1303-28-2	0.005	002,003
I	10	Diarsenic trioxide*	1327-53-3	0.005	002,003
I	11	Dibutyl phthalate (DBP)	84-74-2	0.050	002
I	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD) Δ	25637-99-4,319 4- 55-6	0.050	002
I	13	Lead hydrogen arsenate*	7784-40-9	0.005	002,003
I	14	Sodium dichromate*	7789-12-0, 10588-01-9	0.005	002,003
I	15	Triethyl arsenate*	15606-95-8	0.005	002,003
II	16	2,4-Dinitrotoluene	121-14-2	0.050	002
II	17	Acrylamide	79-06-1	0.050	002
II	18	Anthracene oil**	90640-80-5	0.050	002
II	19	Anthracene oil, anthracene paste**	90640-81-6	0.050	002



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

Test Report (SVHC)

No. CANEC1907722421

Date: 14 Jun 2019

Page 7 of 20

Appendix

Full list of tested SVHC:

Batch	No.	Substance Name	CAS No.	RL (%)	Sample ID
II	20	Anthracene oil, anthracene paste, anthracene fraction**	91995-15-2	0.050	002
II	21	Anthracene oil, anthracene paste, distn. lights**	91995-17-4	0.050	002
II	22	Anthracene oil, anthracene-low**	90640-82-7	0.050	002
II	23	Diisobutyl phthalate	84-69-5	0.050	002
II	24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	0.005	002,003
II	25	Lead chromate*	7758-97-6	0.005	002,003
II	26	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	0.005	002,003
II	27	Pitch, coal tar, high temp.**	65996-93-2	0.050	002
II	28	Tris(2-chloroethyl)phosphate	115-96-8	0.050	002
III	29	Ammonium dichromate*	7789-09-5	0.005	002,003
III	30	Boric acid*	10043-35-3, 11113-50-1	0.005	002,003
III	31	Disodium tetraborate, anhydrous*	1303-96-4, 1330-43-4, 12179-04-3	0.005	002,003
III	32	Potassium chromate*	7789-00-6	0.005	002,003
III	33	Potassium dichromate*	7778-50-9	0.005	002,003
III	34	Sodium chromate*	7775-11-3	0.005	002,003
III	35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.005	002,003
III	36	Trichloroethylene	79-01-6	0.050	002
IV	37	2-Ethoxyethanol	110-80-5	0.050	002
IV	38	2-Methoxyethanol	109-86-4	0.050	002



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Report (SVHC)

No. CANEC1907722421

Date: 14 Jun 2019

Page 8 of 20

Appendix

Full list of tested SVHC:

Batch	No.	Substance Name	CAS No.	RL (%)	Sample ID
IV	39	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*	7738-94-5,- 13530-68-2	0.005	002,003
IV	40	Chromium trioxide*	1333-82-0	0.005	002,003
IV	41	Cobalt(II) carbonate*	513-79-1	0.005	002,003
IV	42	Cobalt(II) diacetate*	71-48-7	0.005	002,003
IV	43	Cobalt(II) dinitrate*	10141-05-6	0.005	002,003
IV	44	Cobalt(II) sulphate*	10124-43-3	0.005	002,003
V	45	1,2,3-trichloropropane	96-18-4	0.050	002
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.050	002
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.050	002
V	48	1-methyl-2-pyrrolidone	872-50-4	0.050	002
V	49	2-ethoxyethyl acetate	111-15-9	0.050	002
V	50	Hydrazine	7803-57-8, 302-01-2	0.050	002
V	51	Strontium chromate*	7789-06-2	0.005	002,003
VI	52	1,2-Dichloroethane	107-06-2	0.050	002
VI	53	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	0.050	002
VI	54	2-Methoxyaniline; o-Anisidine	90-04-0	0.050	002
VI	55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.050	002
VI	56	Aluminosilicate Refractory Ceramic Fibres *	650-017-00-8 (Index no.)	0.005	002,003



Test Report (SVHC)

No. CANEC1907722421

Date: 14 Jun 2019

Page 9 of 20

Appendix

Full list of tested SVHC:

Batch	No.	Substance Name	CAS No.	RL (%)	Sample ID
VI	57	Arsenic acid*	7778-39-4	0.005	002,003
VI	58	Bis(2-methoxyethyl) ether	111-96-6	0.050	002
VI	59	Bis(2-methoxyethyl) phthalate	117-82-8	0.050	002
VI	60	Calcium arsenate*	7778-44-1	0.005	002,003
VI	61	Dichromium tris(chromate) *	24613-89-6	0.005	002,003
VI	62	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	0.050	002
VI	63	Lead diazide, Lead azide*	13424-46-9	0.005	002,003
VI	64	Lead dipicrate*	6477-64-1	0.005	002,003
VI	65	Lead styphnate*	15245-44-0	0.005	002,003
VI	66	N,N-dimethylacetamide	127-19-5	0.050	002
VI	67	Pentazinc chromate octahydroxide*	49663-84-5	0.005	002,003
VI	68	Phenolphthalein	77-09-8	0.050	002
VI	69	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.005	002,003
VI	70	Trilead diarsenate*	3687-31-8	0.005	002,003
VI	71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	650-017-00-8 (Index no.)	0.005	002,003
VII	72	[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	0.050	002
VII	73	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)§	548-62-9	0.050	002



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Report (SVHC)

No. CANEC1907722421

Date: 14 Jun 2019

Page 10 of 20

Appendix

Full list of tested SVHC:

Batch	No.	Substance Name	CAS No.	RL (%)	Sample ID
VII	74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.050	002
VII	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.050	002
VII	76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8	0.050	002
VII	77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol§	561-41-1	0.050	002
VII	78	Diboron trioxide*	1303-86-2	0.005	002,003
VII	79	Formamide	75-12-7	0.050	002
VII	80	Lead(II) bis(methanesulfonate)*	17570-76-2	0.005	002,003
VII	81	N,N,N',N'-tetramethyl-4,4'-methylenediani line (Michler's base)	101-61-1	0.050	002
VII	82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	0.050	002
VII	83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) §	6786-83-0	0.050	002
VII	84	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	0.050	002
VIII	85	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.005	002,003
VIII	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.050	002
VIII	87	1,2-Diethoxyethane	629-14-1	0.050	002
VIII	88	1-Bromopropane	106-94-5	0.050	002
VIII	89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.050	002
VIII	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	0.050	002



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

Test Report (SVHC)

No. CANEC1907722421

Date: 14 Jun 2019

Page 11 of 20

Appendix

Full list of tested SVHC:

Batch	No.	Substance Name	CAS No.	RL (%)	Sample ID
VIII	91	4,4'-Methylenedi-o-toluidine	838-88-0	0.050	002
VIII	92	4,4'-Oxydianiline and its salts	101-80-4	0.050	002
VIII	93	4-Aminoazobenzene	60-09-3	0.050	002
VIII	94	4-Methyl-m-phenylenediamine	95-80-7	0.050	002
VIII	95	4-Nonylphenol, branched and linear	-	0.050	002
VIII	96	6-Methoxy-m-toluidine	120-71-8	0.050	002
VIII	97	Acetic acid, lead salt, basic*	51404-69-4	0.005	002,003
VIII	98	Biphenyl-4-ylamine	92-67-1	0.050	002
VIII	99	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	0.050	002
VIII	100	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7,13149- 00-3,14166-21- 3	0.050	002
VIII	101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	0.050	002
VIII	102	Dibutyltin dichloride (DBTC)	683-18-1	0.050	002
VIII	103	Diethyl sulphate	64-67-5	0.050	002
VIII	104	Diisopentylphthalate	605-50-5	0.050	002
VIII	105	Dimethyl sulphate	77-78-1	0.050	002
VIII	106	Dinoseb	88-85-7	0.050	002
VIII	107	Dioxobis(stearato)trilead*	12578-12-0	0.005	002,003
VIII	108	Fatty acids, C16-18, lead salts*	91031-62-8	0.005	002,003



Test Report (SVHC)

No. CANEC1907722421

Date: 14 Jun 2019

Page 12 of 20

Appendix

Full list of tested SVHC:

Batch	No.	Substance Name	CAS No.	RL (%)	Sample ID
VIII	109	Furan	110-00-9	0.050	002
VIII	110	Henicosafleuroundecanoic acid	2058-94-8	0.050	002
VIII	111	Heptacosafleurotetradecanoic acid	376-06-7	0.050	002
VIII	112	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	☆	0.050	002
VIII	113	Lead bis(tetrafluoroborate)*	13814-96-5	0.005	002,003
VIII	114	Lead cyanamidate*	20837-86-9	0.005	002,003
VIII	115	Lead dinitrate*	10099-74-8	0.005	002,003
VIII	116	Lead monoxide*	1317-36-8	0.005	002,003
VIII	117	Lead oxide sulfate*	12036-76-9	0.005	002,003
VIII	118	Lead tetroxide (orange lead)*	1314-41-6	0.005	002,003
VIII	119	Lead titanium trioxide*	12060-00-3	0.005	002,003
VIII	120	Lead titanium zirconium oxide*	12626-81-2	0.005	002,003
VIII	121	Methoxyacetic acid	625-45-6	0.050	002
VIII	122	Methyloxirane (Propylene oxide)	75-56-9	0.050	002
VIII	123	N,N-dimethylformamide	68-12-2	0.050	002
VIII	124	N-Methylacetamide	79-16-3	0.050	002
VIII	125	N-Pentyl-isopentylphthalate	776297-69-9	0.050	002
VIII	126	o-Aminoazotoluene	97-56-3	0.050	002
VIII	127	o-Toluidine	95-53-4	0.050	002



Test Report (SVHC)

No. CANEC1907722421

Date: 14 Jun 2019

Page 13 of 20

Appendix

Full list of tested SVHC:

Batch	No.	Substance Name	CAS No.	RL (%)	Sample ID
VIII	128	Pentacosafuorotridecanoic acid	72629-94-8	0.050	002
VIII	129	Pentalead tetraoxide sulphate*	12065-90-6	0.005	002,003
VIII	130	Pyrochlore, antimony lead yellow*	8012-00-8	0.005	002,003
VIII	131	Silicic acid, barium salt, lead-doped*	68784-75-8	0.005	002,003
VIII	132	Silicic acid, lead salt*	11120-22-2	0.005	002,003
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.005	002,003
VIII	134	Tetraethyllead*	78-00-2	0.005	002,003
VIII	135	Tetralead trioxide sulphate*	12202-17-4	0.005	002,003
VIII	136	Tricosafuorododecanoic acid	307-55-1	0.050	002
VIII	137	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	0.005	002,003
VIII	138	Trilead dioxide phosphonate*	12141-20-7	0.005	002,003
IX	139	4-Nonylphenol, branched and linear, ethoxylated	-	0.050	002
IX	140	Ammonium pentadecafluorooctanoate (APFO)**	3825-26-1	0.050	002
IX	141	Cadmium oxide*	1306-19-0	0.005	002,003
IX	142	Cadmium*	7440-43-9	0.005	002,003
IX	143	Dipentyl phthalate (DPP)	131-18-0	0.050	002
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.050	002
X	145	Cadmium sulphide*	1306-23-6	0.005	002,003
X	146	Dihexyl phthalate	84-75-3	0.050	002



Test Report (SVHC)

No. CANEC1907722421

Date: 14 Jun 2019

Page 14 of 20

Appendix

Full list of tested SVHC:

Batch	No.	Substance Name	CAS No.	RL (%)	Sample ID
X	147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.050	002
X	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	0.050	002
X	149	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	0.050	002
X	150	Lead di(acetate)*	301-04-2	0.005	002,003
X	151	Trixylyl phosphate	25155-23-1	0.050	002
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.050	002
XI	153	Cadmium chloride*	10108-64-2	0.005	002,003
XI	154	Sodium perborate; perboric acid, sodium salt*	-	0.005	002,003
XI	155	Sodium peroxometaborate*	7632-04-4	0.005	002,003
XII	156	2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.050	002
XII	157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.050	002
XII	158	2-Ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate; DOTE	15571-58-1	0.050	002
XII	159	Cadmium fluoride*	7790-79-6	0.005	002,003
XII	160	Cadmium sulphate*	10124-36-4, 31119-53-6	0.005	002,003



Test Report (SVHC)

No. CANEC1907722421

Date: 14 Jun 2019

Page 15 of 20

Appendix

Full list of tested SVHC:

Batch	No.	Substance Name	CAS No.	RL (%)	Sample ID
XII	161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate & 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 & MOTE)	-	0.050	002
XIII	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	68515-51-5, 68648-93-1	0.050	002
XIII	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]	-	0.050	002
XIV	164	1,3-propanesultone	1120-71-4	0.050	002
XIV	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	0.050	002
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	0.050	002
XIV	167	Nitrobenzene	98-95-3	0.050	002
XIV	168	Perfluorononan-1-oi-c-acid and its sodium and ammonium salts	375-95-1,21049 -39-8,4149-60-4	0.050	002
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.050	002
XVI	170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	0.050	002
XVI	171	4-Heptylphenol, branched and linear	-	0.050	002



Test Report (SVHC)

No. CANEC1907722421

Date: 14 Jun 2019

Page 16 of 20

Appendix

Full list of tested SVHC:

Batch	No.	Substance Name	CAS No.	RL (%)	Sample ID
XVI	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7,335-76-2,3830-45-3	0.050	002
XVI	173	p-(1,1-dimethylpropyl)phenol	80-46-6	0.050	002
XVII	174	Perfluorohexane-1-sulphonic acid and its salts	-	0.050	002
XVIII	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]	-	0.050	002
XVIII	176	Benz[a]anthracene	56-55-3, 1718-53-2	0.050	002
XVIII	177	Cadmium nitrate*	10022-68-1, 10325-94-7	0.005	002,003
XVIII	178	Cadmium carbonate*	513-78-0	0.005	002,003
XVIII	179	Cadmium hydroxide*	21041-95-2	0.005	002,003
XVIII	180	Chrysene	218-01-9, 1719-03-5	0.050	002
XVIII	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]	-	0.050	002
XIX	182	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride (trimellitic anhydride)	552-30-7	0.050	002
XIX	183	Benzo[ghi]perylene	191-24-2	0.050	002
XIX	184	Decamethylcyclopentasiloxane (D5)	541-02-6	0.050	002
XIX	185	Dicyclohexyl phthalate (DCHP)	84-61-7	0.050	002
XIX	186	Disodium octaborate*	12008-41-2	0.005	002,003



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

Test Report (SVHC)

No. CANEC1907722421

Date: 14 Jun 2019

Page 17 of 20

Appendix

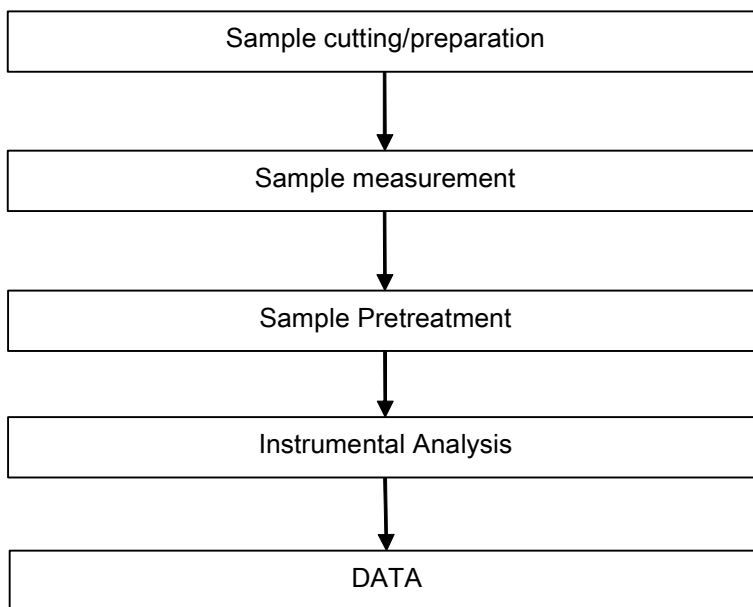
Full list of tested SVHC:

Batch	No.	Substance Name	CAS No.	RL (%)	Sample ID
XIX	187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.050	002
XIX	188	Ethylenediamine	107-15-3	0.050	002
XIX	189	Lead*	7439-92-1	0.005	002,003
XIX	190	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.050	002
XIX	191	Terphenyl hydrogenated	61788-32-7	0.050	002
XX	192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	0.050	002
XX	193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.050	002
XX	194	Benzo[k]fluoranthene	207-08-9	0.050	002
XX	195	Fluoranthene	206-44-0, 93951-69-0	0.050	002
XX	196	Phenanthrene	85-01-8	0.050	002
XX	197	Pyrene	129-00-0, 1718-52-1	0.050	002
Add.	198	4-tert-butylphenol (PTBP)	98-54-4	0.050	002
/	199	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	0.050	002
/	200	2-methoxyethyl acetate	110-49-6	0.050	002
/	201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	0.050	002



ATTACHMENTS

SVHC Testing Flow Chart

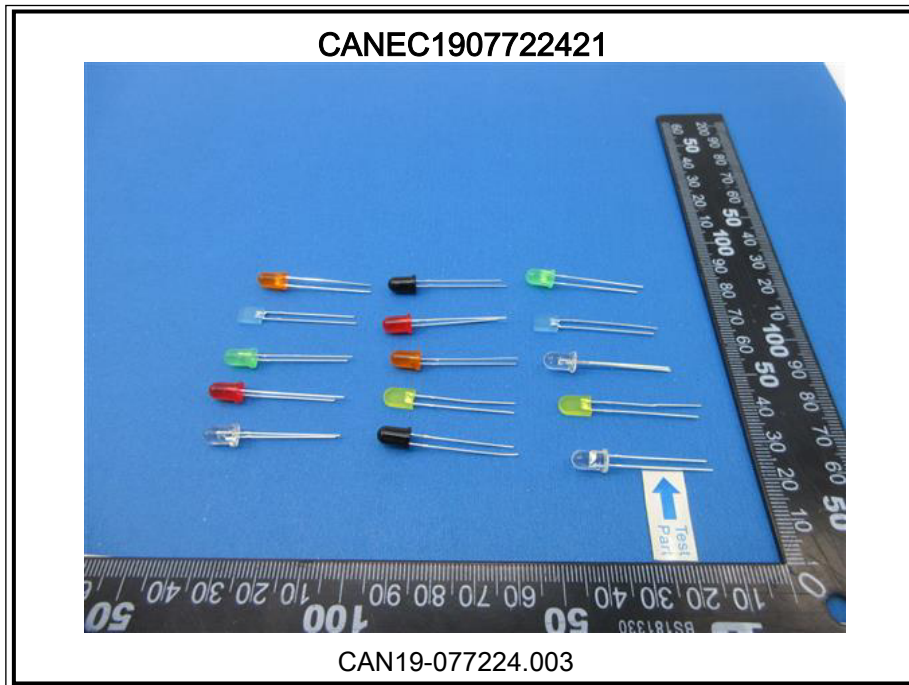
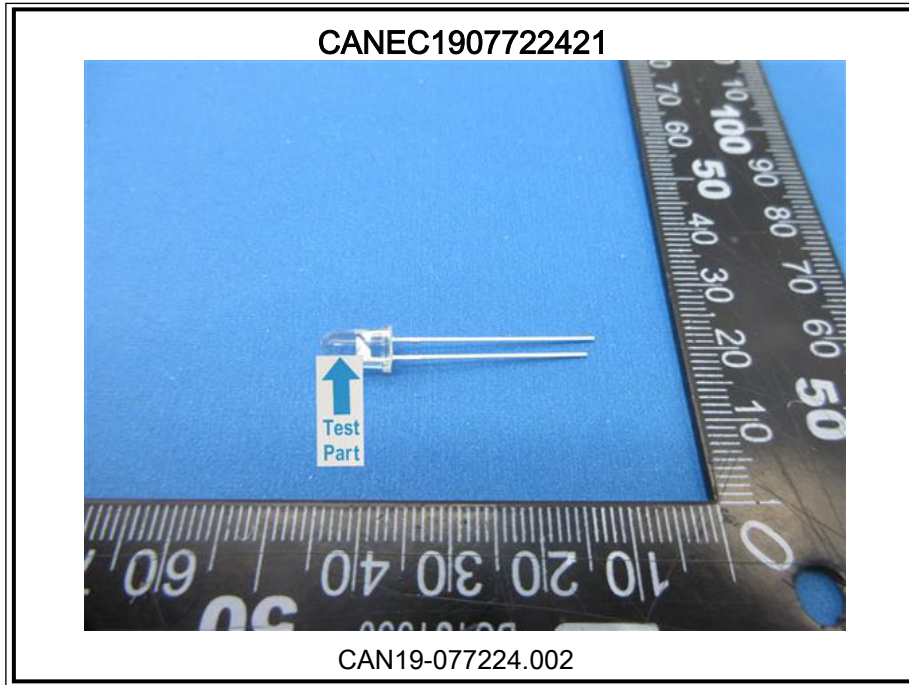


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com



Sample photo:



SGS authenticate the photo on original report only



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

*** End of Report ***

