

## Test Report (SVHC)

No. HKTEC2100460204

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MATERIALS CHARACTERIZATION SERVICES, LLC  
SK SILTRON CSS, 3900 CENTENNIAL DRIVE,  
SUITE B, MIDLAND, MI 48642 USA

The following sample was submitted and identified on behalf of the client as: 150MM N+ SIC EPI WAFER  
(SUBSTRATE WITH ~ 7UM OF SIC EPITAXIAL LAYER): QTY 1:6B20070059-32

SGS Job No. : 4725426 - HK  
Date of Sample Received : 29 Jan 2021  
Testing Period : 29 Jan 2021 – 09 Feb 2021

Test Requested : As requested by client, SVHC screening is performed according to:  
(i) Two hundred and eleven (211) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jan 19, 2021 regarding Regulation (EC) No 1907/2006 concerning the REACH.

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

### Summary:

According to the ruling of the Court of Justice of the European Union on the definition of an article under REACH, and the specified scope and evaluation screening, the test results of SVHC are  $\leq 0.1\%$  (w/w) in the articles of the submitted sample.  
(Decision Rule: please refer to appendix 1: Category 1)

PASS

Signed for and on behalf of  
SGS Hong Kong Limited



Lam Ka Yung, Allen  
Chemist

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### 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 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.

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**Test Sample :**  
Sample Description:

Specimen No.	SGS Sample ID	Description	Group Table
SN1	HKT21-004602.004	Nonmetal group	--

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Group No (SGS Sample ID)	No.	Description
004	4	Green glass

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**Test Method:**

SGS In-House method-CTS-HL-114-1, CTS-HL-234-5, Analyzed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method.

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

Batch	Substance Name	CAS No.	004 Concentration (%)	RL (%)
-	All tested SVHC in candidate list	-	ND	-

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### 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 (Test data will be shown if it  $\geq$  RL. RL is not regulatory limit.)  
ND = Not detected (lower than RL), ND is denoted on the SVHC substance.  
NA<sup>^</sup> = Upon further test verification on the specific detected element(s) of SVHC and also information provided from client, the possibility that the element(s) content originate from SVHC is very unlikely, even though their presence cannot be exclude entirely. It may be assumed that the detected element(s) have a non-SVHC source.
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 = 0.001% is evaluated for element (i.e. cobalt, arsenic, lead, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, barium and cadmium respectively), except molybdenum RL=0.0005%.
5. Calculated concentration of boric compounds are based on the total boron for liquid, powder and paste samples and water extractive boron for other samples by ICP-OES.
6. § 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)  $\geq$ 0.1% (w/w).

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**Appendix 1**

Category	Decision Rule Statement
1	The decision rule for conformity reporting is based on the non-binary statement with guard band (is equal to the expanded measurement uncertainty with a 95% coverage probability, $w = U95$ ) in ILAC-G8:09/2019 Clause 4.2.3. A. "Pass - the measured value is within (or below / above) the acceptance limit, where the acceptance limit is below / above to the guard band." or "Pass - The measured values were observed in tolerance at the points tested. The specific false accept risk is up to 2.5%." B. "Conditional Pass - The measured values were observed in tolerance at the points tested. However, a portion of the expanded measurement uncertainty intervals about one or more measured values exceeded / out of tolerance. When the measured result is close to the tolerance, the specific false accept risk is up to 50%." C. "Conditional Fail - One or more measured values were observed out of tolerance at the points tested. However, a portion of the expanded measurement uncertainty intervals about one or more measured values were in tolerance. When the measured result is close to the tolerance, the specific false reject risk is up to 50%." D. "Fail - the measured value is out of (or below / above) the tolerance limit added / subtracted to the guard band." or "Fail - One or more measured values were observed out of tolerance at the points tested". The specific false reject risk is up to 2.5%.
2	The decision rule for conformity reporting is based on BS EN 1811:2011+A1:2015: Reference test method for release of nickel from all post assemblies which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin in Section 9.2 interpretation of results.
3	The decision rule for conformity reporting is based on the general consideration of simple acceptance as stated in ISO/IEC Guide 98-3: "Uncertainty of measurement - Part 3: Guide to the expression of uncertainty in measurement (GUM 1995)", and more specifically for analytical measurements to the EURACHEM/CITAC Guide 2012 "Quantifying Uncertainty in Analytical Measurement".
4	The decision rule for conformity reporting is according to the IEC 62321-7-1 Edition 1.0 2015-09 Section 7: Table 1-(comparison to standard and interpretation of result)
5	The decision rule for conformity reporting is according to the IEC 62321-3-1 Edition 1.0 2013-06 Annex A.3 interpretation of result.
6	The decision rule for conformity reporting is according to the GB/T 26125-2011 Annex A to H
7	The decision rule for conformity reporting is according to the requested specification or standard (ASTM F963-17 section 4.3.5)
8	The decision rule for conformity reporting is according to the requested specification or standard (AS/NZS ISO 8124 Part 3 section 4.2)
Remark	If the decision rule is not feasible to be used and the uncertainty of the result is able to be provided, the uncertainty range of the result will be shown in the report. Otherwise, only result will be shown in the report.



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### Appendix Full list of tested SVHC:

Batch	No.	Substance Name	CAS No.	RL (%) (Mixed Components)	RL (%) (Individual Components)
I	1	4,4'-Diaminodiphenylmethane(MDA)	101-77-9	0.100	0.010
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.100	0.010
I	3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.100	0.010
I	4	Anthracene	120-12-7	0.100	0.010
I	5	Benzyl butyl phthalate (BBP)	85-68-7	0.100	0.010
I	6	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	0.100	0.010
I	7	Bis(tributyltin)oxide (TBTO)	56-35-9	0.100	0.010
I	8	Cobalt dichloride*	7646-79-9	0.010	0.001
I	9	Diarsenic pentaoxide*	1303-28-2	0.010	0.001
I	10	Diarsenic trioxide*	1327-53-3	0.010	0.001
I	11	Dibutyl phthalate (DBP)	84-74-2	0.100	0.010
I	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ - HBCDD) $\Delta$	-	0.100	0.010
I	13	Lead hydrogen arsenate*	7784-40-9	0.010	0.001
I	14	Sodium dichromate*	7789-12-0, 10588-01-9	0.010	0.001
I	15	Triethyl arsenate*	15606-95-8	0.010	0.001
II	16	2,4-Dinitrotoluene	121-14-2	0.100	0.010
II	17	Acrylamide	79-06-1	0.100	0.010

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Batch	No.	Substance Name	CAS No.	RL (%) (Mixed Components)	RL (%) (Individual Components)
II	18	Anthracene oil**	90640-80-5	0.100	0.010
II	19	Anthracene oil, anthracene paste**	90640-81-6	0.100	0.010
II	20	Anthracene oil, anthracene paste, anthracene fraction**	91995-15-2	0.100	0.010
II	21	Anthracene oil, anthracene paste, distn. Lights**	91995-17-4	0.100	0.010
II	22	Anthracene oil, anthracene-low**	90640-82-7	0.100	0.010
II	23	Diisobutyl phthalate	84-69-5	0.100	0.010
II	24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	0.010	0.001
II	25	Lead chromate*	7758-97-6	0.010	0.001
II	26	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	0.010	0.001
II	27	Pitch, coal tar, high temp. **	65996-93-2	0.100	0.00025
II	28	Tris(2-chloroethyl)phosphate	115-96-8	0.100	0.010
III	29	Ammonium dichromate*	7789-09-5	0.010	0.001
III	30	Boric acid*	-	0.010	0.001
III	31	Disodium tetraborate, anhydrous*	1303-96-4, 1330-43-4, 12179-04-3	0.010	0.001
III	32	Potassium chromate*	7789-00-6	0.010	0.001
III	33	Potassium dichromate*	7778-50-9	0.010	0.001
III	34	Sodium chromate*	7775-11-3	0.010	0.001
III	35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.010	0.001

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Batch	No.	Substance Name	CAS No.	RL (%) (Mixed Components)	RL (%) (Individual Components)
III	36	Trichloroethylene	79-01-6	0.100	0.010
IV	37	2-Ethoxyethanol	110-80-5	0.100	0.010
IV	38	2-Methoxyethanol	109-86-4	0.100	0.010
IV	39	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*	-	0.010	0.001
IV	40	Chromium trioxide*	1333-82-0	0.010	0.001
IV	41	Cobalt(II) carbonate*	513-79-1	0.010	0.001
IV	42	Cobalt(II) diacetate*	71-48-7	0.010	0.001
IV	43	Cobalt(II) dinitrate*	10141-05-6	0.010	0.001
IV	44	Cobalt(II) sulphate*	10124-43-3	0.010	0.001
V	45	1,2,3-trichloropropane	96-18-4	0.100	0.010
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.100	0.010
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.100	0.010
V	48	1-methyl-2-pyrrolidone	872-50-4	0.100	0.010
V	49	2-ethoxyethyl acetate	111-15-9	0.100	0.010
V	50	Hydrazine	7803-57-8, 302-01-2	0.100	0.010
V	51	strontium chromate*	7789-06-2	0.010	0.001
VI	52	1,2-Dichloroethane	107-06-2	0.100	0.010
VI	53	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	0.100	0.010

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VI	54	2-Methoxyaniline; o-Anisidine	90-04-0	0.100	0.010
VI	55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.100	0.010
VI	56	Aluminosilicate Refractory Ceramic Fibres*	-	0.010	0.001
VI	57	Arsenic acid*	7778-39-4	0.010	0.001
VI	58	Bis(2-methoxyethyl) ether	111-96-6	0.100	0.010
VI	59	Bis(2-methoxyethyl) phthalate	117-82-8	0.100	0.010
VI	60	Calcium arsenate*	7778-44-1	0.010	0.001
VI	61	Dichromium tris(chromate)*	24613-89-6	0.010	0.001
VI	62	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	0.100	0.010
VI	63	Lead diazide, Lead azide*	13424-46-9	0.010	0.001
VI	64	Lead dipicrate*	6477-64-1	0.010	0.001
VI	65	Lead styphnate*	15245-44-0	0.010	0.001
VI	66	N,N-dimethylacetamide	127-19-5	0.100	0.010
VI	67	Pentazinc chromate octahydroxide*	49663-84-5	0.010	0.001
VI	68	Phenolphthalein	77-09-8	0.100	0.010
VI	69	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.010	0.001
VI	70	Trilead diarsenate*	3687-31-8	0.010	0.001
VI	71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	-	0.010	0.001

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VII	72	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) <sup>§</sup>	2580-56-5	0.100	0.010
VII	73	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) <sup>§</sup>	548-62-9	0.100	0.010
VII	74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.100	0.010
VII	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.100	0.010
VII	76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8	0.100	0.010
VII	77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol <sup>§</sup>	561-41-1	0.100	0.010
VII	78	Diboron trioxide*	1303-86-2	0.010	0.001
VII	79	Formamide	75-12-7	0.100	0.010
VII	80	Lead(II) bis(methanesulfonate)*	17570-76-2	0.010	0.001
VII	81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.100	0.010
VII	82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	0.100	0.010
VII	83	α,α-Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) <sup>§</sup>	6786-83-0	0.100	0.010
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	0.100	0.010
VIII	85	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.010	0.001
VIII	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.100	0.010

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Batch	No.	Substance Name	CAS No.	RL (%) (Mixed Components)	RL (%) (Individual Components)
VIII	87	1,2-Diethoxyethane	629-14-1	0.100	0.010
VIII	88	1-Bromopropane	106-94-5	0.100	0.010
VIII	89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.100	0.010
VIII	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	0.100	0.010
VIII	91	4,4'-Methylenedi- <i>o</i> -toluidine	838-88-0	0.100	0.010
VIII	92	4,4'-Oxydianiline and its salts	101-80-4	0.100	0.010
VIII	93	4-Aminoazobenzene	60-09-3	0.100	0.010
VIII	94	4-Methyl- <i>m</i> -phenylenediamine	95-80-7	0.100	0.010
VIII	95	4-Nonylphenol, branched and linear	-	0.100	0.010
VIII	96	6-Methoxy- <i>m</i> -toluidine	120-71-8	0.100	0.010
VIII	97	Acetic acid, lead salt, basic*	51404-69-4	0.010	0.001
VIII	98	Biphenyl-4-ylamine	92-67-1	0.100	0.010
VIII	99	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	0.100	0.010
VIII	100	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	-	0.100	0.010
VIII	101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	0.100	0.010
VIII	102	Dibutyltin dichloride (DBTC)	683-18-1	0.100	0.010
VIII	103	Diethyl sulphate	64-67-5	0.100	0.010

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Batch	No.	Substance Name	CAS No.	RL (%) (Mixed Components)	RL (%) (Individual Components)
VIII	104	Diisopentylphthalate	605-50-5	0.100	0.010
VIII	105	Dimethyl sulphate	77-78-1	0.100	0.010
VIII	106	Dinoseb	88-85-7	0.100	0.010
VIII	107	Dioxobis(stearato)trilead*	12578-12-0	0.010	0.001
VIII	108	Fatty acids, C16-18, lead salts*	91031-62-8	0.010	0.001
VIII	109	Furan	110-00-9	0.100	0.010
VIII	110	Henicosafuoroundecanoic acid	2058-94-8	0.100	0.010
VIII	111	Heptacosafuorotetradecanoic acid	376-06-7	0.100	0.010
VIII	112	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1- methylphthalic anhydride, Hexahydro- 3-methylphthalic anhydride	-	0.100	0.010
VIII	113	Lead bis(tetrafluoroborate)*	13814-96-5	0.010	0.001
VIII	114	Lead cyanamidate*	20837-86-9	0.010	0.001
VIII	115	Lead dinitrate*	10099-74-8	0.010	0.001
VIII	116	Lead monoxide*	1317-36-8	0.010	0.001
VIII	117	Lead oxide sulfate*	12036-76-9	0.010	0.001
VIII	118	Lead tetroxide (orange lead)*	1314-41-6	0.010	0.001
VIII	119	Lead titanium trioxide*	12060-00-3	0.010	0.001
VIII	120	Lead titanium zirconium oxide*	12626-81-2	0.010	0.001
VIII	121	Methoxyacetic acid	625-45-6	0.100	0.010

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Batch	No.	Substance Name	CAS No.	RL (%) (Mixed Components)	RL (%) (Individual Components)
VIII	122	Methyloxirane (Propylene oxide)	75-56-9	0.100	0.010
VIII	123	N,N-Dimethylformamide	68-12-2	0.100	0.010
VIII	124	N-Methylacetamide	79-16-3	0.100	0.010
VIII	125	N-Pentyl-isopentylphthalate	776297-69-9	0.100	0.010
VIII	126	o-Aminoazotoluene	97-56-3	0.100	0.010
VIII	127	o-Toluidine	95-53-4	0.100	0.010
VIII	128	Pentacosafuorotridecanoic acid	72629-94-8	0.100	0.010
VIII	129	Pentalead tetraoxide sulphate*	12065-90-6	0.010	0.001
VIII	130	Pyrochlore, antimony lead yellow*	8012-00-8	0.010	0.001
VIII	131	Silicic acid, barium salt, lead-doped*	68784-75-8	0.010	0.001
VIII	132	Silicic acid, lead salt*	11120-22-2	0.010	0.001
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.010	0.001
VIII	134	Tetraethyllead*	78-00-2	0.010	0.001
VIII	135	Tetralead trioxide sulphate*	12202-17-4	0.010	0.001
VIII	136	Tricosafuorododecanoic acid	307-55-1	0.100	0.010
VIII	137	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	0.010	0.001
VIII	138	Trilead dioxide phosphonate*	12141-20-7	0.010	0.001
IX	139	4-Nonylphenol, branched and linear, ethoxylated	-	0.100	0.010
IX	140	Ammonium pentadecafluorooctanoate (APFO)**	3825-26-1	0.100	0.010

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Batch	No.	Substance Name	CAS No.	RL (%) (Mixed Components)	RL (%) (Individual Components)
IX	141	Cadmium oxide*	1306-19-0	0.010	0.001
IX	142	Cadmium	7440-43-9	0.010	0.001
IX	143	Dipentyl phthalate (DPP)	131-18-0	0.100	0.010
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.100	0.010
X	145	Cadmium sulphide*	1306-23-6	0.010	0.001
X	146	Diethyl phthalate	84-75-3	0.100	0.010
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	0.100	0.010
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	0.100	0.010
X	149	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	0.100	0.010
X	150	Lead di(acetate)*	301-04-2	0.010	0.001
X	151	Triethyl phosphate	25155-23-1	0.100	0.010
XI	152	1,2-Benzenedicarboxylic acid, diethyl ester, branched and linear	68515-50-4	0.100	0.010
XI	153	Cadmium chloride*	10108-64-2	0.010	0.001
XI	154	Sodium perborate; perboric acid, sodium salt*	-	0.010	0.001
XI	155	Sodium peroxometaborate*	7632-04-4	0.010	0.001
XII	156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.100	0.010
XII	157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.100	0.010
XII	158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	0.100	0.010

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Batch	No.	Substance Name	CAS No.	RL (%) (Mixed Components)	RL (%) (Individual Components)
XII	159	Cadmium fluoride*	7790-79-6	0.010	0.001
XII	160	Cadmium sulphate*	10124-36-4, 31119-53-6	0.010	0.001
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)	-	0.100	0.010
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	-	0.100	0.010
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]	-	0.100	0.010
XIV	164	1,3-propanesultone	1120-71-4	0.100	0.010
XIV	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327)	3864-99-1	0.100	0.010
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	0.100	0.010
XIV	167	Nitrobenzene	98-95-3	0.100	0.010
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	0.100	0.010
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.100	0.010
XVI	170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	0.100	0.010
XVI	171	4-Heptylphenol, branched and linear	-	0.100	0.010

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Batch	No.	Substance Name	CAS No.	RL (%) (Mixed Components)	RL (%) (Individual Components)
XVI	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	-	0.100	0.010
XVI	173	p-(1,1-dimethylpropyl)phenol	80-46-6	0.100	0.010
XVII	174	Perfluorohexane-1-sulphonic acid and its salts	-	0.100	0.010
XVIII	175	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.0 2,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" <sup>TM</sup> ) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	0.100	0.010
XVIII	176	Benz[a]anthracene	56-55-3	0.100	0.010
XVIII	177	Cadmium nitrate*	10325-94-7	0.010	0.001
XVIII	178	Cadmium carbonate*	513-78-0	0.010	0.001
XVIII	179	Cadmium hydroxide*	21041-95-2	0.010	0.001
XVIII	180	Chrysene	218-01-9	0.100	0.010
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]	-	0.100	0.010
XIX	182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.100	0.010
XIX	183	Benzo[ghi]perylene	191-24-2	0.100	0.010
XIX	184	Decamethylcyclopentasiloxane (D5)	541-02-6	0.100	0.010
XIX	185	Dicyclohexyl phthalate (DCHP)	84-61-7	0.100	0.010
XIX	186	Disodium octaborate*	12008-41-2	0.010	0.001
XIX	187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.100	0.010

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Batch	No.	Substance Name	CAS No.	RL (%) (Mixed Components)	RL (%) (Individual Components)
XIX	188	Ethylenediamine (EDA)	107-15-3	0.100	0.010
XIX	189	Lead	7439-92-1	0.010	0.001
XIX	190	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.100	0.010
XIX	191	Terphenyl, hydrogenated	61788-32-7	0.100	0.010
XX	192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	0.100	0.010
XX	193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.100	0.010
XX	194	Benzo[k]fluoranthene	207-08-9	0.100	0.010
XX	195	Fluoranthene	206-44-0	0.100	0.010
XX	196	Phenanthrene	85-01-8	0.100	0.010
XX	197	Pyrene	129-00-0	0.100	0.010
XXI	198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	0.100	0.010
XXI	199	2-methoxyethyl acetate	110-49-6	0.100	0.010
XXI	200	4-tert-butylphenol (PTBP)	98-54-4	0.100	0.010
XXI	201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	-	0.100	0.010
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	0.100	0.010
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.100	0.010
XXII	204	Diisohexyl phthalate	71850-09-4	0.100	0.010

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Batch	No.	Substance Name	CAS No.	RL (%) (Mixed Components)	RL (%) (Individual Components)
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.100	0.010
XXIII	206	1-vinylimidazole	1072-63-5	0.100	0.010
XXIII	207	2-methylimidazole	693-98-1	0.100	0.010
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	0.100	0.010
XXIII	209	Dibutylbis(pentane-2,4-dionato- O,O')tin**	22673-19-4	0.100	0.010
XXIV	210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	0.100	0.010
XXIV	211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety**	-	0.100	0.010

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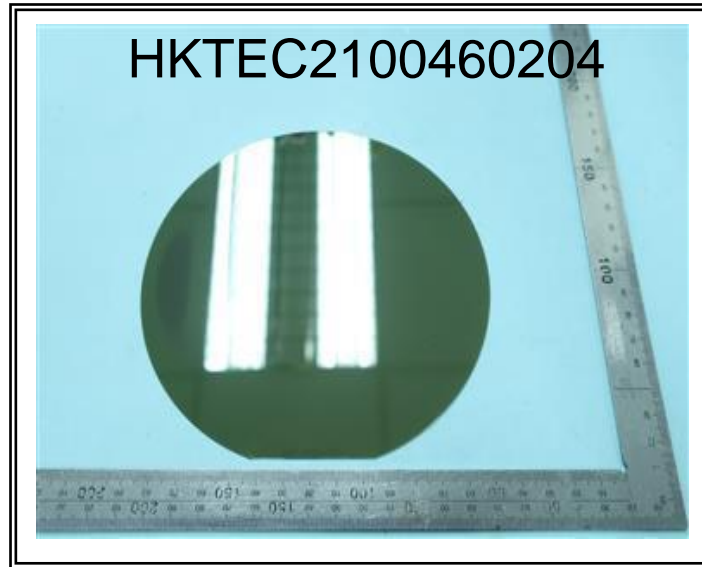
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## Test Report (SVHC)

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Sample photo :



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