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### Client name: TOYO LED ELECTRONICS LIMITED Client address: UNIT 10-11, 19/F., METRO LOFT, 38 KWAI HEI STREET, KWAI CHUNG, NEW TERRITORIES, HONG KONG

Sample name:	LED DISPLAY, SMD DISPLAY, CUSTOM DESIGN LED DISPLAY, THROUGHT HOLE LED, SMD LED, TOP VIEW SMD LED (PLCC), INFRARED & PHOTOTRANSIST LED
The above sample(s) and inf	ormation were submitted and identified on behalf of the clients.
SGS Job No.: Sample Receiving Date:	5110750 - HK 20 Sep 2022
Testing Period:	20 Sep 2022 – 07 Oct 2022
Test Requested:	As requested by client, SVHC screening is performed according to: (i) Two hundred and twenty-four (224) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jun 10, 2022 regarding Regulation (EC) No 1907/2006 concerning the REACH.
Test Results:	Please refer to next page(s).

### Summary:

of Justice of the European le under REACH, and the eening, the test results of PASS es of the submitted sample. idix 1: Category 1)	er REACH, and the , the test results of PASS e submitted sample.
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Signed for and on behalf of SGS Hong Kong Limited

Lam Ka Yung, Allen Senior 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.

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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 composite 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	HKT22-050523.091	Non metal group	
SN2	HKT22-050523.092	Non metal group	
SN3	HKT22-050523.093	Non metal group	
SN4	HKT22-050523.094	Non metal group	
SN5	HKT22-050523.095	Non metal group	
SN6	HKT22-050523.096	Metal group	
SN7	HKT22-050523.097	Non metal group	
SN8	HKT22-050523.098	Metal group	
SN9	HKT22-050523.099	Metal group	

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SGS Sample ID	Photo No.	Sample Description
091	17	Transparent plastic w/ black coating w/ adhesive - LED display film
091	18	White/ translucent plastic w/ grey coating - LED display case
091	20	Black glass fiber w/ green coating w/ silvery/ coppery metal w/ translucent plastic - PCB
091	21	Black glass fiber w/ golden metal - PCB
091	22	White/ translucent plastic w/ grey coating - Display case
091	23	White/ translucent plastic w/ black coating - Display case
091	24	Black glass fiber w/ white coating w/ golden metal - PCB
091	25	Transparent plastic w/ black coating w/ adhesive - LED display film
091	26	White/ translucent plastic w/ black coating - Display case
091	28	Black glass fiber w/ translucent plastic w/ white coating w/ silvery metal - PCB
091	29	Translucent green/ white plastic w/ black coating - Display case

SGS Sample ID	Photo No.	Sample Description
092	31	Black glass fiber w/ translucent green plastic w/ silvery metal - PCB
092	32	White/ translucent plastic w/ black coating - Display case
092	33	Transparent plastic w/ black coating w/ adhesive - LED display film
092	35	Black glass fiber w/ translucent plastic w/ golden metal - PCB
092	36	Translucent plastic w/ black/ yellow coating w/ adhesive - LED display film
092	37	White/ translucent plastic w/ black coating - Display case
092	39	Black glass fiber w/ translucent plastic w/ silvery metal - PCB
092	40	Translucent plastic w/ black coating w/ adhesive - LED display film
092	41	White/ translucent plastic w/ black coating - Display case
092	43	Black plastic - Pin holder
092	44	Black glass fiber w/ translucent plastic w/ silvery metal - PCB

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SGS Sample ID	Photo No.	Sample Description
093	54	Transparent plastic - LED
093	56	Transparent plastic - LED

SGS Sample ID	Photo No.	Sample Description
094	64	Transparent plastic - LED
094	66	Transparent plastic - LED
094	68	Transparent plastic - LED
094	70	Transparent orange plastic - LED
094	72	Transparent plastic - LED
094	74	Transparent plastic - LED
094	76	Transparent plastic - LED
094	78	Translucent green plastic - LED
094	80	Translucent green plastic - LED
094	82	Translucent yellow plastic - LED
094	83	Black plastic - Pin holder
094	85	Translucent blue plastic - LED
094	87	Transparent plastic - LED
094	89	Transparent plastic - LED

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Test Report (SVHC)

SGS Sample	Photo	Sample Description
ID	No.	
095	1	Transparent/ white plastic w/ green printing w/ silvery metal w/ chips - SMD LED
095	2	Transparent/ white plastic w/ green printing w/ golden metal w/ chips - SMD LED
095	3	Transparent/ white plastic w/ green printing w/ silvery metal w/ chips - SMD LED
095	4	Transparent yellow/ white plastic w/ green printing w/ silvery metal w/ chips - SMD LED
095	5	Transparent/ white plastic w/ green printing w/ silvery metal w/ chips - SMD LED
095	6	Transparent/ white plastic w/ green printing w/ silvery metal w/ chips - SMD LED
095	7	Transparent/ white plastic w/ green printing w/ silvery metal w/ chips - SMD LED
095	8	Transparent/ white plastic w/ green printing w/ silvery metal w/ chips - SMD LED
095	9	Transparent/ white plastic w/ green/ black printing w/ silvery metal w/ chips - SMD LED
095	10	Transparent/ white plastic w/ green printing w/ silvery metal w/ chips - SMD LED
095	11	Transparent/ white plastic w/ green printing w/ silvery metal w/ chips - SMD LED
095	12	Transparent/ white plastic w/ green printing w/ silvery metal w/ chips - SMD LED
095	13	Transparent/ white plastic w/ green printing w/ silvery metal w/ chips - SMD LED
095	14	Transparent/ white plastic w/ green printing w/ silvery metal w/ chips - SMD LED
095	15	Transparent/ white plastic w/ green printing w/ silvery metal w/ chips - SMD LED
095	16	Transparent/ white plastic w/ green printing w/ silvery metal w/ chips - SMD LED

SGS Sample ID	Photo No.	Sample Description
096	19	Silvery metal - Pin
096	27	Silvery metal - Pin
096	30	Silvery metal - Pin
096	34	Silvery metal - Pin
096	38	Silvery metal - Pin
096	42	Silvery metal - Pin

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SGS Sample ID	Photo No.	Sample Description
097	45	White/ transparent plastic w/ silvery metal w/ chips - SMD LED
097	46	White/ transparent plastic w/ silvery metal w/ chips - SMD LED
097	47	White/ transparent plastic w/ silvery metal w/ chips - SMD LED
097	48	White/ transparent plastic w/ silvery metal w/ chips - SMD LED
097	49	White/ transparent plastic w/ silvery metal w/ chips - SMD LED
097	50	White/ transparent plastic w/ silvery metal w/ chips - SMD LED
097	51	Transparent yellow/ white plastic w/ silvery metal w/ chips - SMD LED
097	52	White/ transparent plastic w/ silvery metal w/ chips - SMD LED
097	53	White/ transparent plastic w/ silvery metal w/ chips - SMD LED
097	58	Transparent yellow/ white plastic w/ silvery metal w/ chips - SMD LED
097	59	Transparent yellow/ white plastic w/ silvery metal w/ chips - SMD LED
097	60	Transparent yellow/ white plastic w/ silvery metal w/ chips - SMD LED
097	61	Transparent yellow/ white plastic w/ silvery metal w/ chips - SMD LED
097	62	Transparent yellow/ white plastic w/ green printing w/ silvery metal w/ chips - SMD LED
097	63	White/ transparent plastic w/ silvery metal w/ chips - SMD LED

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SGS Sample ID	Photo No.	Sample Description
098	55	Silvery metal - Pin
098	57	Silvery metal - Pin

SGS Sample ID	Photo No.	Sample Description
099	65	Silvery metal - Pin
099	67	Silvery metal - Pin
099	69	Silvery metal - Pin
099	71	Silvery metal - Pin
099	73	Silvery metal - Pin
099	75	Silvery metal - Pin
099	77	Silvery metal - Pin
099	79	Silvery metal - Pin
099	81	Silvery metal - Pin
099	84	Silvery metal - Pin
099	86	Silvery metal - Pin
099	88	Silvery metal - Pin
099	90	Silvery metal - Pin

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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.	091-099 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.
- RL = Reporting Limit (Test data will be shown if it ≥ 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. RL = 0.01% 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=0.001% boron RL=0.005% (only for Lead bis(tetrafluoroborate), Orthoboric acid, sodium salt), chromium (VI) RL=0.005% (only for Pentazinc chromate octahydroxide) Calculated concentration of boric compounds are based on water extractive boron detected by ICP-OES.
- 4. <sup>§</sup> 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).
- 5. Composite test has been performed in equal proportion for the components/material per client requested. And the result is calculated using the minimum sample weight.
- 6. In consideration of the analysis requirement and the limit of sample volume, the screening test for the article is based on components / material enough to test.

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### Appendix 1

Category	Decision Rule Statement
1	<ul> <li>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.</li> <li>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%.".</li> <li>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%.".</li> <li>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%.".</li> <li>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%.</li> </ul>
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 (%)
I	1	4,4'-Diaminodiphenylmethane(MDA)	101-77-9	0.100
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.100
I	3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.100
I	4	Anthracene	120-12-7	0.100
I	5	Benzyl butyl phthalate (BBP)	85-68-7	0.100
I	6	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	0.100
I	7	Bis(tributyltin)oxide (TBTO)	56-35-9	0.100
I	8	Cobalt dichloride*	7646-79-9	0.010
I	9	Diarsenic pentaoxide*	1303-28-2	0.010
I	10	Diarsenic trioxide*	1327-53-3	0.010
I	11	Dibutyl phthalate (DBP)	84-74-2	0.100
I	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD) $^{\Delta}$	-	0.100
I	13	Lead hydrogen arsenate*	7784-40-9	0.010
I	14	Sodium dichromate*	7789-12-0, 10588-01-9	0.010
I	15	Triethyl arsenate*	15606-95-8	0.010
II	16	2,4-Dinitrotoluene	121-14-2	0.100
II	17	Acrylamide	79-06-1	0.100
II	18	Anthracene oil**	90640-80-5	0.100

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Batch	No.	Substance Name	CAS No.	RL (%)
II	19	Anthracene oil, anthracene paste**	90640-81-6	0.100
11	20	Anthracene oil, anthracene paste, anthracene fraction**	91995-15-2	0.100
II	21	Anthracene oil, anthracene paste, distn. Lights**	91995-17-4	0.100
II	22	Anthracene oil, anthracene-low**	90640-82-7	0.100
11	23	Diisobutyl phthalate	84-69-5	0.100
II	24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	0.010
П	25	Lead chromate*	7758-97-6	0.010
II	26	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	0.010
П	27	Pitch, coal tar, high temp. **	65996-93-2	0.100
II	28	Tris(2-chloroethyl)phosphate	115-96-8	0.100
111	29	Ammonium dichromate*	7789-09-5	0.010
	30	Boric acid*	-	0.010
	31	Disodium tetraborate, anhydrous*	1303-96-4, 1330-43-4, 12179-04-3	0.010
Ш	32	Potassium chromate*	7789-00-6	0.010
	33	Potassium dichromate*	7778-50-9	0.010
111	34	Sodium chromate*	7775-11-3	0.010
	35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.010
	36	Trichloroethylene	79-01-6	0.100
IV	37	2-Ethoxyethanol	110-80-5	0.100

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Batch	No.	Substance Name	CAS No.	RL (%)
IV	38	2-Methoxyethanol	109-86-4	0.100
IV	39	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*	-	0.010
IV	40	Chromium trioxide*	1333-82-0	0.010
IV	41	Cobalt(II) carbonate*	513-79-1	0.010
IV	42	Cobalt(II) diacetate*	71-48-7	0.010
IV	43	Cobalt(II) dinitrate*	10141-05-6	0.010
IV	44	Cobalt(II) sulphate*	10124-43-3	0.010
V	45	1,2,3-trichloropropane	96-18-4	0.100
V	46	1,2-Benzenedicarboxylic acid, di-C6-8- branched alkyl esters, C7-rich	71888-89-6	0.100
V	47	1,2-Benzenedicarboxylic acid, di-C7- 11-branched and linear alkyl esters	68515-42-4	0.100
V	48	1-methyl-2-pyrrolidone	872-50-4	0.100
V	49	2-ethoxyethyl acetate	111-15-9	0.100
V	50	Hydrazine	7803-57-8, 302-01-2	0.100
V	51	strontium chromate*	7789-06-2	0.010
VI	52	1,2-Dichloroethane	107-06-2	0.100
VI	53	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	0.100
VI	54	2-Methoxyaniline; o-Anisidine	90-04-0	0.100
VI	55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.100
VI	56	Aluminosilicate Refractory Ceramic Fibres*	-	0.010

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Batch	No.	Substance Name	CAS No.	RL (%)
VI	57	Arsenic acid*	7778-39-4	0.010
VI	58	Bis(2-methoxyethyl) ether	111-96-6	0.100
VI	59	Bis(2-methoxyethyl) phthalate	117-82-8	0.100
VI	60	Calcium arsenate*	7778-44-1	0.010
VI	61	Dichromium tris(chromate)*	24613-89-6	0.010
VI	62	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	0.100
VI	63	Lead diazide, Lead azide*	13424-46-9	0.010
VI	64	Lead dipicrate*	6477-64-1	0.010
VI	65	Lead styphnate*	15245-44-0	0.010
VI	66	N,N-dimethylacetamide	127-19-5	0.100
VI	67	Pentazinc chromate octahydroxide*	49663-84-5	0.010
VI	68	Phenolphthalein	77-09-8	0.100
VI	69	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.010
VI	70	Trilead diarsenate*	3687-31-8	0.010
VI	71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	-	0.010
VII	72	[4-[[4-anilino-1-naphthyl][4- (dimethylamino)phenyl]methylene]cycl ohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) <sup>§</sup>	2580-56-5	0.100
VII	73	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1- ylidene]dimethylammonium chloride (C.I. Basic Violet 3) §	548-62-9	0.100
VII	74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.100

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Batch	No.	Substance Name	CAS No.	RL (%)
VII	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.100
VII	76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8	0.100
VII	77	4,4'-bis(dimethylamino)-4"- (methylamino)trityl alcohol§	561-41-1	0.100
VII	78	Diboron trioxide*	1303-86-2	0.010
VII	79	Formamide	75-12-7	0.100
VII	80	Lead(II) bis(methanesulfonate)*	17570-76-2	0.010
VII	81	N,N,N',N'-tetramethyl-4,4'- methylenedianiline (Michler's base)	101-61-1	0.100
VII	82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5- triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	0.100
VII	83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) §	6786-83-0	0.100
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
VIII	85	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.010
VIII	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.100
VIII	87	1,2-Diethoxyethane	629-14-1	0.100
VIII	88	1-Bromopropane	106-94-5	0.100
VIII	89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3- oxazolidine	143860-04- 2	0.100
VIII	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	0.100
VIII	91	4,4'-Methylenedi-o-toluidine	838-88-0	0.100
VIII	92	4,4'-Oxydianiline and its salts	101-80-4	0.100

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Batch	No.	Substance Name	CAS No.	RL (%)
VIII	93	4-Aminoazobenzene	60-09-3	0.100
VIII	94	4-Methyl-m-phenylenediamine	95-80-7	0.100
VIII	95	4-Nonylphenol, branched and linear	-	0.100
VIII	96	6-Methoxy- <i>m</i> -toluidine	120-71-8	0.100
VIII	97	Acetic acid, lead salt, basic*	51404-69-4	0.010
VIII	98	Biphenyl-4-ylamine	92-67-1	0.100
VIII	99	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	0.100
VIII	100	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	-	0.100
VIII	101	Diazene-1,2-dicarboxamide (C,C'- azodi(formamide))	123-77-3	0.100
VIII	102	Dibutyltin dichloride (DBTC)	683-18-1	0.100
VIII	103	Diethyl sulphate	64-67-5	0.100
VIII	104	Diisopentylphthalate	605-50-5	0.100
VIII	105	Dimethyl sulphate	77-78-1	0.100
VIII	106	Dinoseb	88-85-7	0.100
VIII	107	Dioxobis(stearato)trilead*	12578-12-0	0.010
VIII	108	Fatty acids, C16-18, lead salts*	91031-62-8	0.010
VIII	109	Furan	110-00-9	0.100
VIII	110	Henicosafluoroundecanoic acid	2058-94-8	0.100
VIII	111	Heptacosafluorotetradecanoic acid	376-06-7	0.100

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Batch	No.	Substance Name	CAS No.	RL (%)
VIII	112	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1- methylphthalic anhydride, Hexahydro- 3-methylphthalic anhydride	-	0.100
VIII	113	Lead bis(tetrafluoroborate)*	13814-96-5	0.010
VIII	114	Lead cyanamidate*	20837-86-9	0.010
VIII	115	Lead dinitrate*	10099-74-8	0.010
VIII	116	Lead monoxide*	1317-36-8	0.010
VIII	117	Lead oxide sulfate*	12036-76-9	0.010
VIII	118	Lead tetroxide (orange lead)*	1314-41-6	0.010
VIII	119	Lead titanium trioxide*	12060-00-3	0.010
VIII	120	Lead titanium zirconium oxide*	12626-81-2	0.010
VIII	121	Methoxyacetic acid	625-45-6	0.100
VIII	122	Methyloxirane (Propylene oxide)	75-56-9	0.100
VIII	123	N,N-Dimethylformamide	68-12-2	0.100
VIII	124	N-Methylacetamide	79-16-3	0.100
VIII	125	N-Pentyl-isopentylphthalate	776297-69- 9	0.100
VIII	126	o-Aminoazotoluene	97-56-3	0.100
VIII	127	<i>o</i> -Toluidine	95-53-4	0.100
VIII	128	Pentacosafluorotridecanoic acid	72629-94-8	0.100
VIII	129	Pentalead tetraoxide sulphate*	12065-90-6	0.010
VIII	130	Pyrochlore, antimony lead yellow*	8012-00-8	0.010

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Batch	No.	Substance Name	CAS No.	RL (%)
VIII	131	Silicic acid, barium salt, lead-doped*	68784-75-8	0.010
VIII	132	Silicic acid, lead salt*	11120-22-2	0.010
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.010
VIII	134	Tetraethyllead*	78-00-2	0.010
VIII	135	Tetralead trioxide sulphate*	12202-17-4	0.010
VIII	136	Tricosafluorododecanoic acid	307-55-1	0.100
VIII	137	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	0.010
VIII	138	Trilead dioxide phosphonate*	12141-20-7	0.010
IX	139	4-Nonylphenol, branched and linear, ethoxylated	-	0.100
IX	140	Ammonium pentadecafluorooctanoate (APFO)**	3825-26-1	0.100
IX	141	Cadmium oxide*	1306-19-0	0.010
IX	142	Cadmium	7440-43-9	0.010
IX	143	Dipentyl phthalate (DPP)	131-18-0	0.100
іх	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.100
х	145	Cadmium sulphide*	1306-23-6	0.010
х	146	Dihexyl phthalate	84-75-3	0.100
х	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
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
х	149	Imidazolidine-2-thione; (2-imidazoline- 2-thiol)	96-45-7	0.100

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Batch	No.	Substance Name	CAS No.	RL (%)
х	150	Lead di(acetate)*	301-04-2	0.010
х	151	Trixylyl phosphate	25155-23-1	0.100
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.100
XI	153	Cadmium chloride*	10108-64-2	0.010
XI	154	Sodium perborate; perboric acid, sodium salt*	-	0.010
XI	155	Sodium peroxometaborate*	7632-04-4	0.010
XII	156	2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328)	25973-55-1	0.100
XII	157	2-benzotriazol-2-yl-4,6-di-tert- butylphenol (UV-320)	3846-71-7	0.100
XII	158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo- 8-oxa-3,5-dithia-4- stannatetradecanoate (DOTE)	15571-58-1	0.100
XII	159	Cadmium fluoride*	7790-79-6	0.010
XII	160	Cadmium sulphate*	10124-36- 4, 31119-53-6	0.010
ХІІ	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
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
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

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Batch	No.	Substance Name	CAS No.	RL (%)
XIV	164	1,3-propanesultone	1120-71-4	0.100
XIV	165	2,4-di-tert-butyl-6-(5- chlorobenzotriazol-2-yl) phenol (UV- 327)	3864-99-1	0.100
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)- 6-(sec-butyl) phenol (UV-350)	36437-37-3	0.100
XIV	167	Nitrobenzene	98-95-3	0.100
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	0.100
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.100
XVI	170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	0.100
XVI	171	4-Heptylphenol, branched and linear	-	0.100
XVI	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	-	0.100
XVI	173	p-(1,1-dimethylpropyl)phenol	80-46-6	0.100
XVII	174	Perfluorohexane-1-sulphonic acid and its salts	-	0.100
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"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	0.100
XVIII	176	Benz[a]anthracene	56-55-3	0.100
XVIII	177	Cadmium nitrate*	10325-94-7	0.010
XVIII	178	Cadmium carbonate*	513-78-0	0.010
XVIII	179	Cadmium hydroxide*	21041-95-2	0.010
XVIII	180	Chrysene	218-01-9	0.100
XVIII	181	Reaction products of 1,3,4- thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with	-	0.100

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Batch	No.	Substance Name	CAS No.	RL (%)
		≥0.1% w/w 4-heptylphenol, branched and linear]		
XIX	182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.100
XIX	183	Benzo[ghi]perylene	191-24-2	0.100
XIX	184	Decamethylcyclopentasiloxane (D5)	541-02-6	0.100
XIX	185	Dicyclohexyl phthalate (DCHP)	84-61-7	0.100
XIX	186	Disodium octaborate*	12008-41-2	0.010
XIX	187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.100
XIX	188	Ethylenediamine (EDA)	107-15-3	0.100
XIX	189	Lead	7439-92-1	0.010
XIX	190	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.100
XIX	191	Terphenyl, hydrogenated	61788-32-7	0.100
XX	192	1,7,7-trimethyl-3- (phenylmethylene)bicyclo[2.2.1]heptan -2-one (3-benzylidene camphor)	15087-24-8	0.100
ХХ	193	2,2-bis(4'-hydroxyphenyl)-4- methylpentane	6807-17-6	0.100
ХХ	194	Benzo[k]fluoranthene	207-08-9	0.100
ХХ	195	Fluoranthene	206-44-0	0.100
XX	196	Phenanthrene	85-01-8	0.100
XX	197	Pyrene	129-00-0	0.100
xxı	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
XXI	199	2-methoxyethyl acetate	110-49-6	0.100

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Batch	No.	Substance Name	CAS No.	RL (%)
XXI	200	4-tert-butylphenol (PTBP)	98-54-4	0.100
XXI	201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\ge 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	-	0.100
XXII	202	2-benzyl-2-dimethylamino-4'- morpholinobutyrophenone	119313-12- 1	0.100
XXII	203	2-methyl-1-(4-methylthiophenyl)-2- morpholinopropan-1-one	71868-10-5	0.100
XXII	204	Diisohexyl phthalate	71850-09-4	0.100
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.100
XXIII	206	1-vinylimidazole	1072-63-5	0.100
XXIII	207	2-methylimidazole	693-98-1	0.100
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	0.100
XXIII	209	Dibutylbis(pentane-2,4-dionato- O,O')tin**	22673-19-4	0.100
XXIV	210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	0.100
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
xxv	212	1,4-dioxane	123-91-1	0.100
xxv	213	2,2-bis(bromomethyl)propane1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2- bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	-	0.100
XXV	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.100
XXV	215	4,4'-(1-methylpropylidene)bisphenol (bisphenol B)	77-40-7	0.100

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Batch	No.	Substance Name	CAS No.	RL (%)
XXV	216	Glutaral	111-30-8	0.100
XXV	217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	0.100
XXV	218	Orthoboric acid, sodium salt*	13840-56-7	0.005
xxv	219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	0.100
xxvi	220	(±)-1,7,7-trimethyl-3-[(4- methylphenyl)methylene]bicyclo[2.2.1] heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	0.100
XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p- cresol (DBMC)	119-47-1	0.100
XXVI	222	S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94- 8	0.100
XXVI	223	Tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.100
XXVII	224	N-(hydroxymethyl)acrylamide	924-42-5	0.100

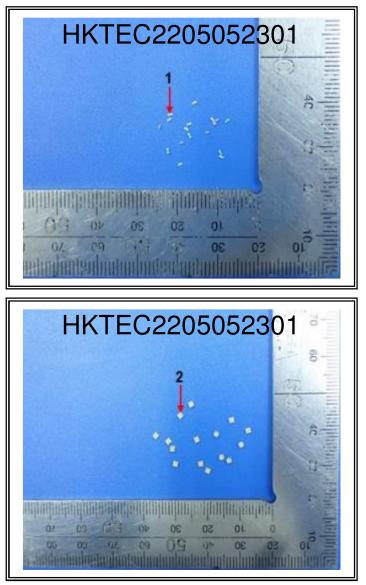
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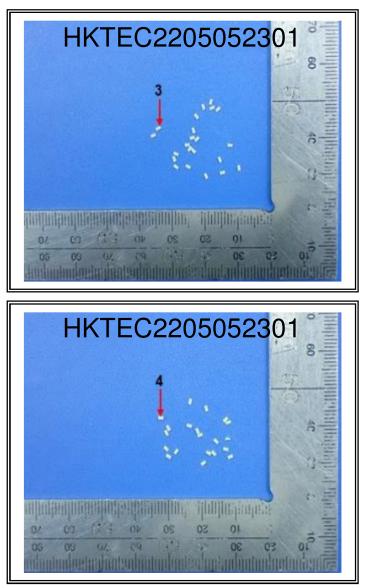
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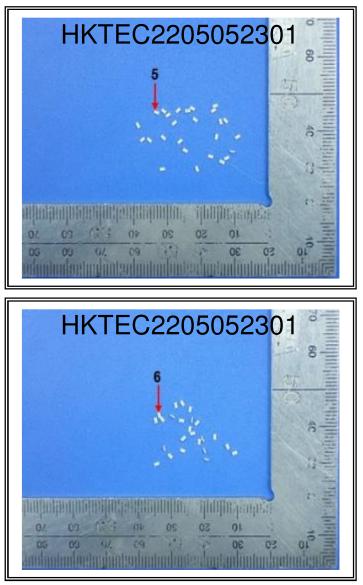
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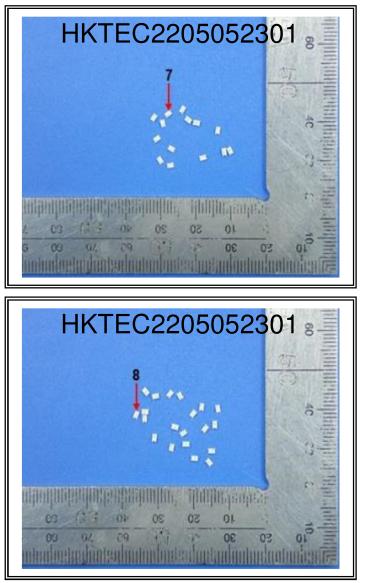
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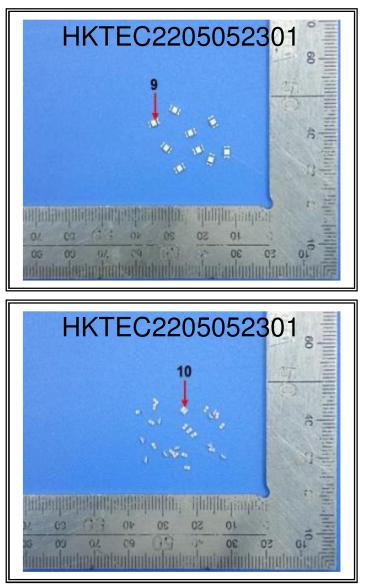
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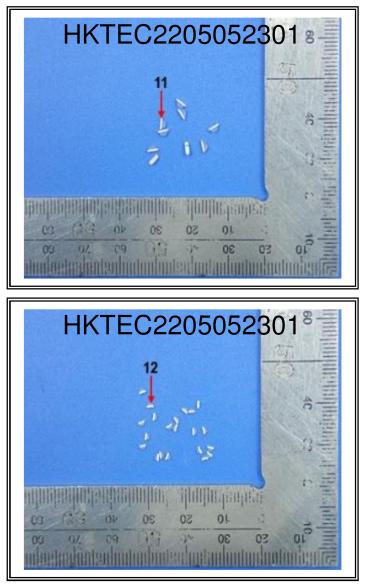
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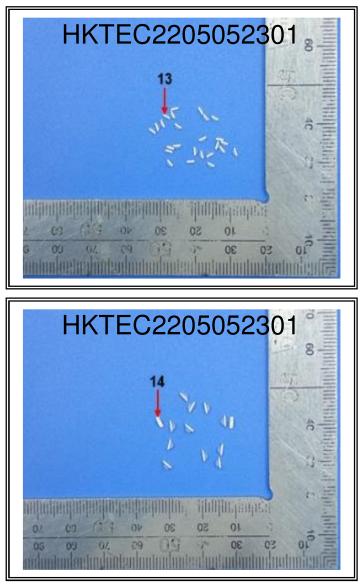
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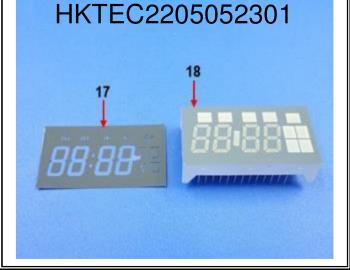




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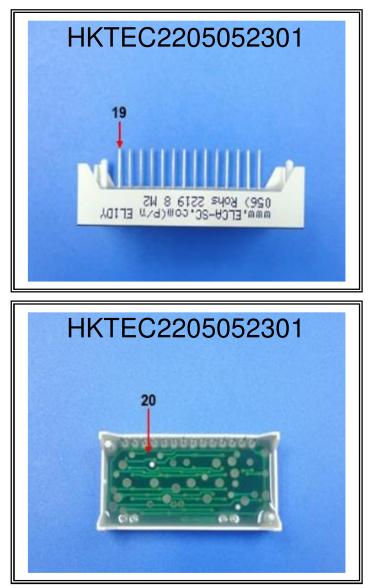
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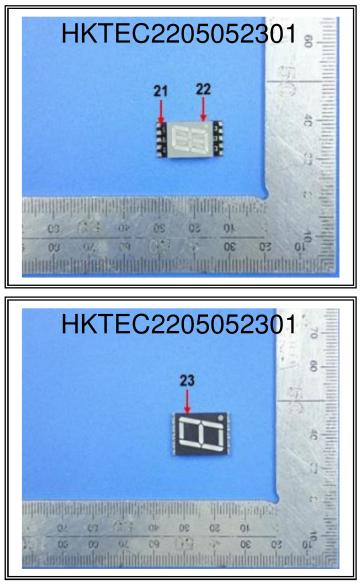
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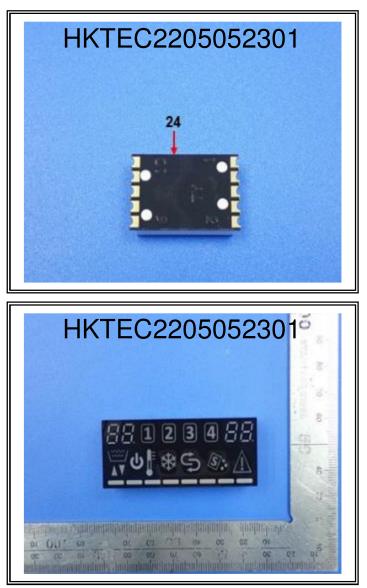
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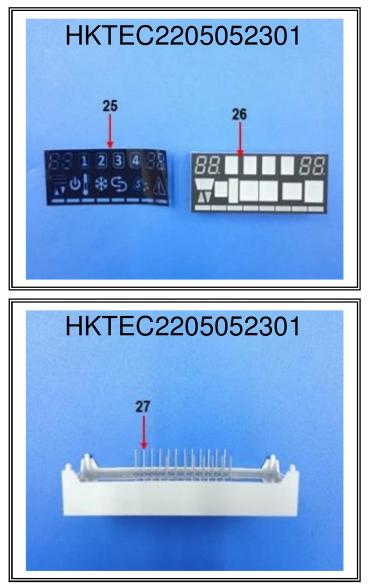
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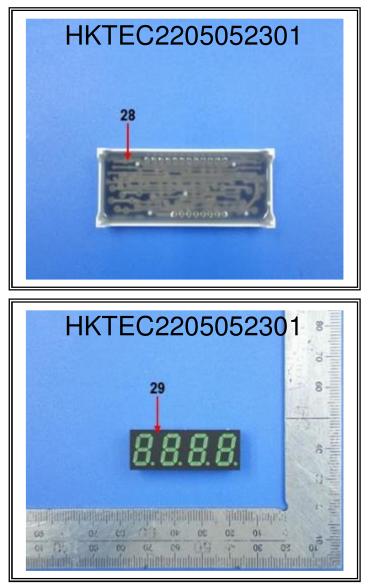
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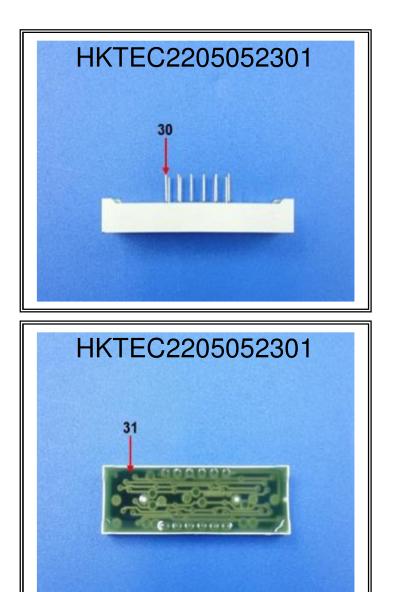
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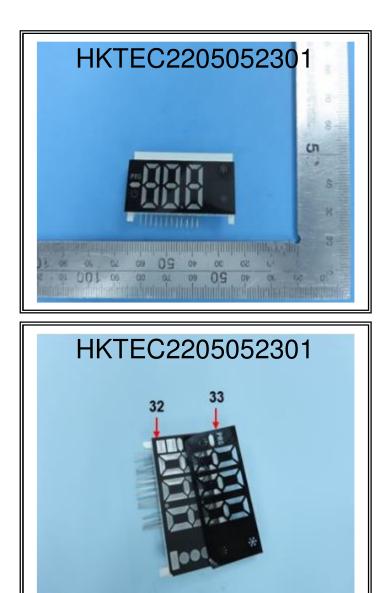
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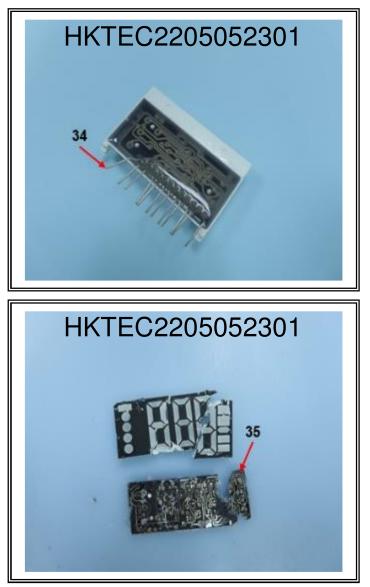
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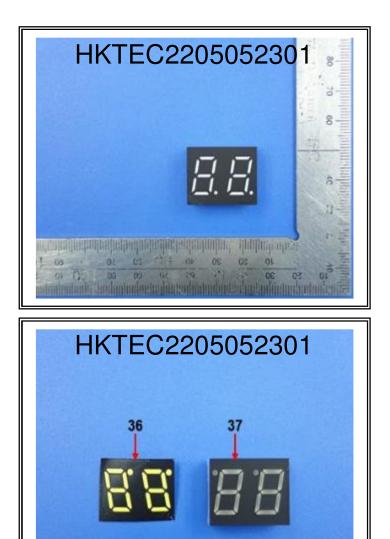
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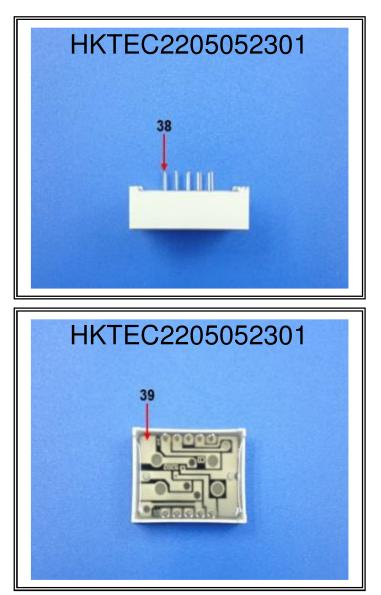
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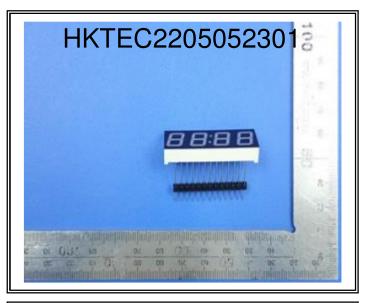
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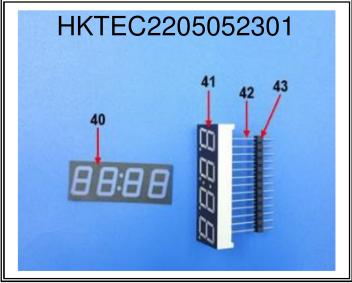




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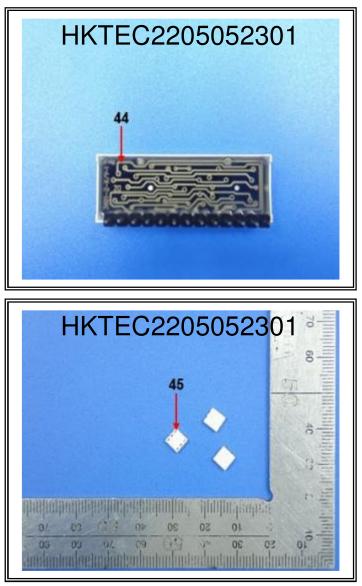
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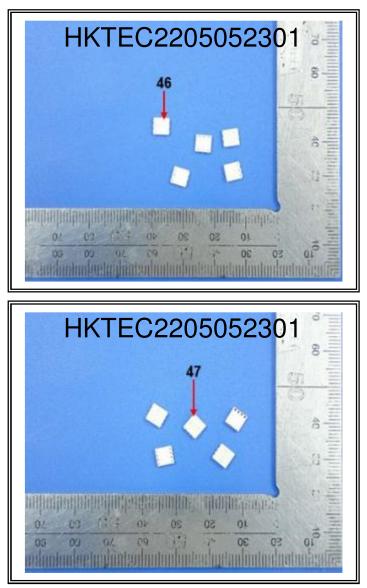
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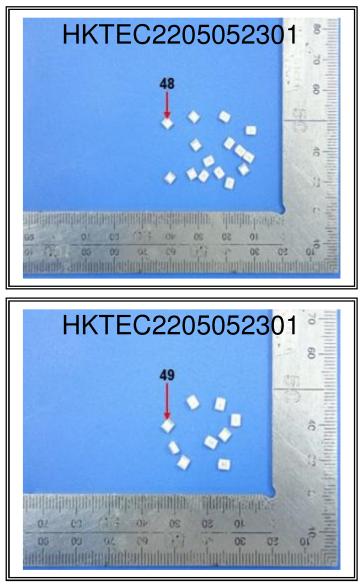
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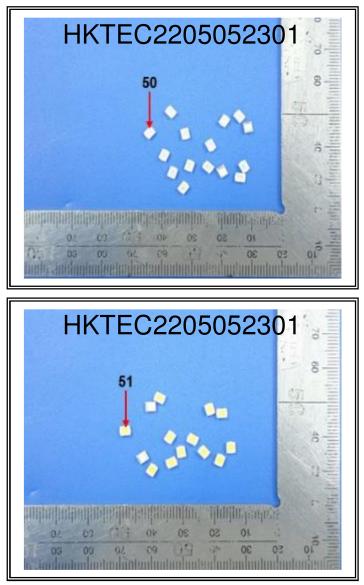
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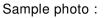
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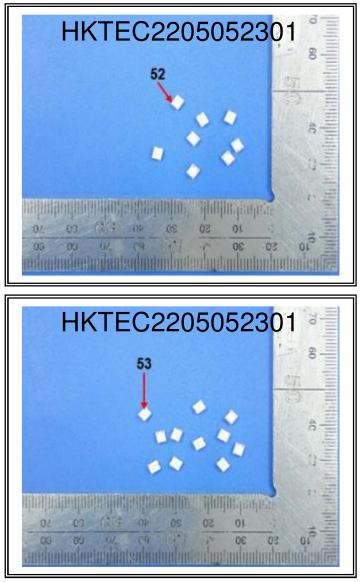
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(SVHC)

**Test Report** 





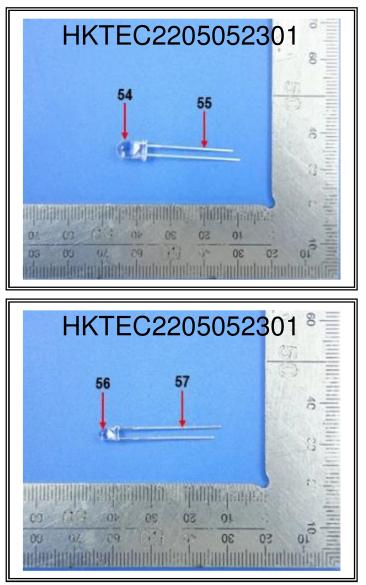
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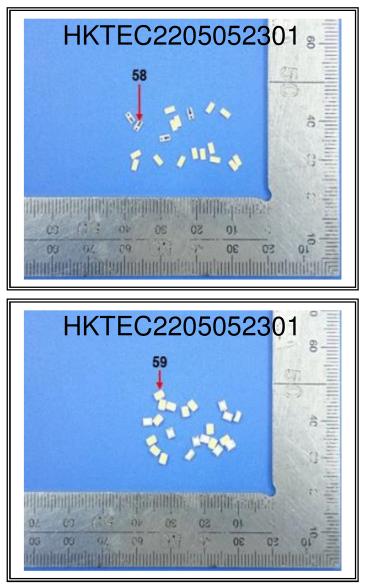
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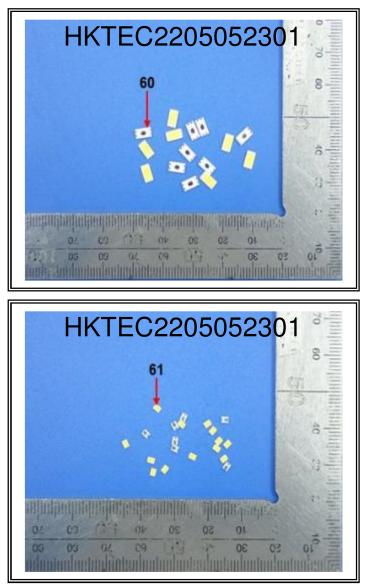
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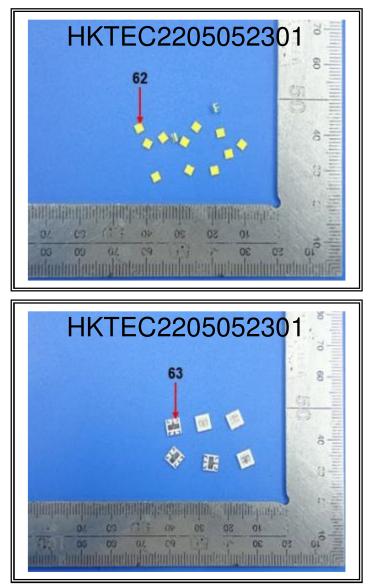
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Test Report (SVHC)

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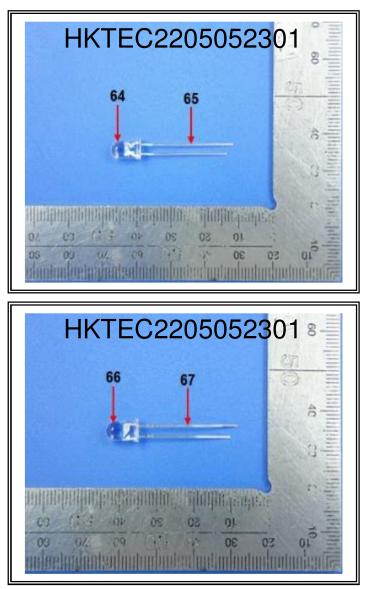
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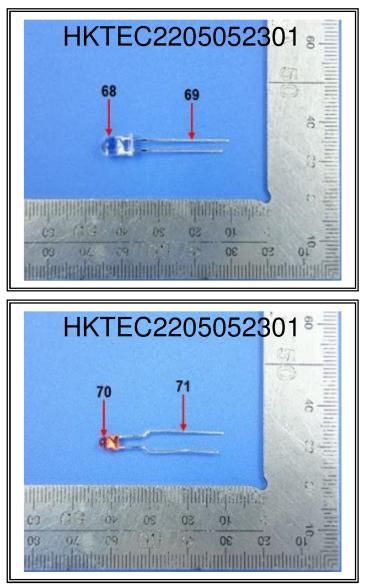
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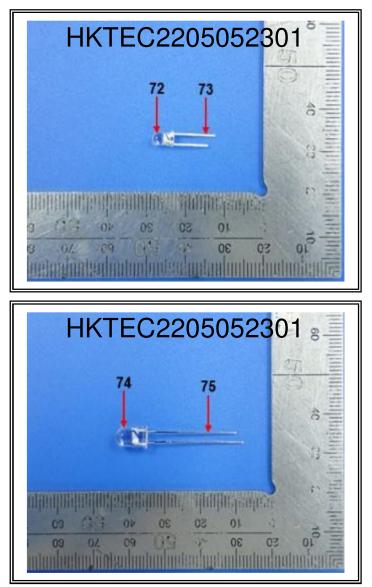
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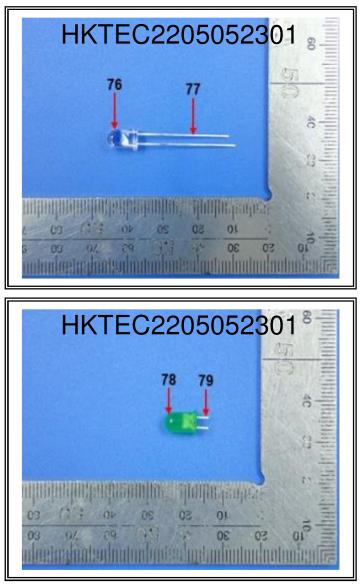
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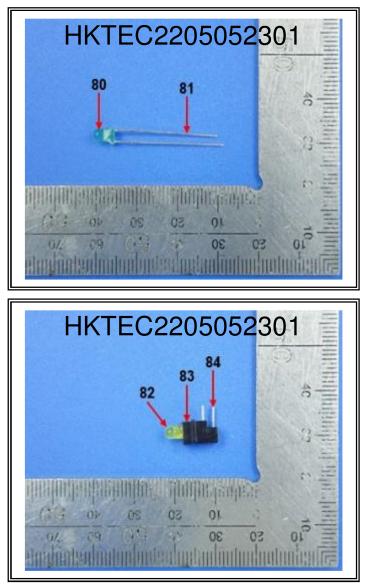
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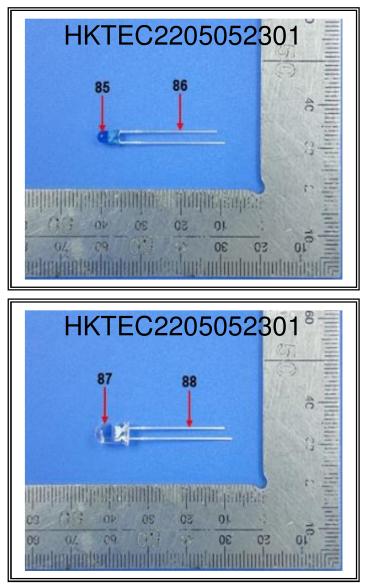
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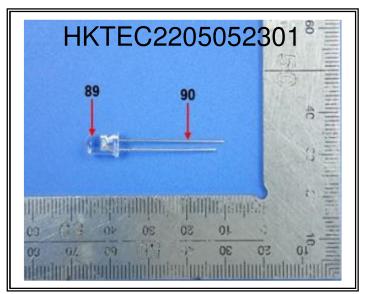
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