

Test Report No.: CANEC25001326507 Date: Jan 23, 2025 Page 1 of 21 (SVHC)

Client Name: KINSTAR ELECTRONICS TECHNOLOGY CO., LTD.

Client Address: 4TH FLOOR, MINGHUI INDUSTRY PARK, NO. 305 KANGLI ROAD, DALANG,

DONGGUAN, CHINA. 523770

Sample Name: Single lithium ion Rechargeable Cell

Client Ref. Information: INR18650F 2500mAh, INR18500 1400mAh, INR14500 800 mAh, Li-18500

1200mAh, Li-18350 700mAh, 18650 2000mAh, INR16650 1600mAh,

INR14650A 1200mAh, 1330 400mAh

SEE ATTCHMENT

The above sample(s) and information were provided by the client.

\_\_\_\_\_

SGS Job No.: GZP25-001440 Sample Receiving Date: Jan 16, 2025

Testing Period: Jan 16, 2025 ~ Jan 22, 2025

Test Requested: As requested by client, SVHC in Candidate List screening is performed

according to:

(i) Two hundred and forty two (242) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Nov 07, 2024 regarding

Regulation (EC) No 1907/2006 concerning the REACH.

As requested by client, Potential SVHC screening is performed according to: (i) Six (6) substances in the Public Consultation List of potential Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA)

on and before Aug 30, 2024 regarding Regulation (EC) No 1907/2006

concerning the REACH.

(ii) One (1) potential Substances of Very High Concern (SVHC) in the

Identification ongoing.

(iii) Six (6) potential Substances of Very High Concern (SVHC) in the Intention List published by European Chemicals Agency (ECHA) regarding Regulation

(EC) No 1907/2006 concerning the REACH.

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

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

Signed for and on behalf of

SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Allie Chen

Allie Chen

Approved Signatory



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### Summary:

| According to the specified scope and evaluation screening, the results of 242 SVHC in the Candidate List are $\leq$ 0.1% (w/w) in the submitted sample. | Pass |
|---|------|
| According to the specified scope and evaluation screening, the results of 13 Potential SVHC are $\leq$ 0.1% (w/w) in the submitted sample.              | Pass |



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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).

Companies supplying articles containing substances of very high concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market must comply with the Waste Framework Directive 2008/98/EC requirement and submit SCIP notifications on these articles to ECHA, as from 5 January 2021.

#### 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:



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- (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 ≥ 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.

#### Test Sample:

| Test Result ID | Description   | Test Part ID      | SGS Sample ID               |
|----------------|---|-------------------|-----------------------------|
| 001            | White plastic with colourless transparent material + White plastic + White sheet + Blue tape  | A1+A2+A3+A<br>4   | CAN25-0013265-0002          |
| 002            | Dark-grey coating with<br>copper-colored metal foil +<br>Dard-grey with silvery metal<br>foil | A5+A6             | CAN25-0013265-0003          |
| 003            | Silvery-grey metal + Silvery-<br>grey metal + Silvery-grey<br>metal + Silvery-white metal     | A8+A9+A10+<br>A11 | CAN25-0013265-0004          |
| 004            | Colourless transparent liquid   | A7                | CAN25-0013265-<br>0001.C007 |

#### Test Method:

With reference to SGS In-House method, analysis was performed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method.



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#### Result of SVHC in the Candidate List

| Batch | Substance Name             | CAS No. | 001<br>Concentration<br>(%) | RL (%) |
|-------|----------------------------|---------|-----------------------------|--------|
| -     | All SVHC in Candidate list | -       | ND                          | -      |

#### Result of Potential SVHC

| Batch | Substance Name     | CAS No. | 001<br>Concentration<br>(%) | RL (%) |
|-------|--------------------|---------|-----------------------------|--------|
| /     | All Potential SVHC | -       | ND                          | -      |

#### Result of SVHC in the Candidate List

| Batch | Substance Name             | CAS No. | 002<br>Concentration<br>(%) | RL (%) |
|-------|----------------------------|---------|-----------------------------|--------|
| -     | All SVHC in Candidate list | -       | ND                          | -      |

#### Result of Potential SVHC

| Batch | Substance Name     | CAS No. | 002<br>Concentration<br>(%) | RL (%) |
|-------|--------------------|---------|-----------------------------|--------|
| /     | All Potential SVHC | -       | ND                          | -      |

#### Result of SVHC in the Candidate List

| Batch | Substance Name             | CAS No. | 003<br>Concentration<br>(%) | RL (%) |
|-------|----------------------------|---------|-----------------------------|--------|
| -     | All SVHC in Candidate list | -       | ND                          | -      |

#### **Result of Potential SVHC**

| Batch | Substance Name     | CAS No. | 003<br>Concentration<br>(%) | RL (%) |
|-------|--------------------|---------|-----------------------------|--------|
| /     | All Potential SVHC | -       | ND                          | -      |

#### Result of SVHC in the Candidate List

| Batch | Substance Name             | CAS No. | 004<br>Concentration<br>(%) | RL (%) |
|-------|----------------------------|---------|-----------------------------|--------|
| -     | All SVHC in Candidate list | -       | ND                          | -      |

#### Result of Potential SVHC

| Batch | Substance Name     | CAS No. | 004<br>Concentration<br>(%) | RL (%) |
|-------|--------------------|---------|-----------------------------|--------|
| /     | All Potential SVHC | -       | 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 ≥ RL. RL is not regulatory limit.) ND = Not detected (lower than RL), ND is denoted on the SVHC substance.

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- (3) \* The result is based on the calculation of selected element(s) under the worst-case scenario, and the evaluation of substance usage and material properties.
  - \*\* The result is based on the calculation of selected marker(s) and to the worst-case scenario.

    Calculated concentration of boric compounds are based on water extractive boron detected by ICP-OES.

    Calculated concentration of Barium diboron tetraoxide is based on water extractive boron and barium detected by ICP-OES.
  - RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, barium and cadmium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)), fluorine RL=0.050%.
- (4) § 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) / = Potential SVHC
- (6) 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.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.



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### **Appendix**

#### Full list of tested SVHC:

| Batch | No. | Substance Name   | CAS No.                                | RL (%) |
|-------|-----|--|--|--------|
| I     | 1   | 4,4'-<br>Diaminodiphenylmethane(MDA)   | 101-77-9                               | 0.050  |
| I     | 2   | 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)   | 81-15-2                                | 0.050  |
| 1     | 3   | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)  | 85535-84-8                             | 0.050  |
|       | 4   | Anthracene   | 120-12-7                               | 0.050  |
|       | 5   | Benzyl butyl phthalate (BBP)   | 85-68-7                                | 0.050  |
|       | 6   | Bis(2-ethylhexyl)phthalate (DEHP)  | 117-81-7                               | 0.050  |
|       | 7   | Bis(tributyltin)oxide (TBTO)   | 56-35-9                                | 0.050  |
|       | 8   | Cobalt dichloride*   | 7646-79-9                              | 0.005  |
|       | 9   | Diarsenic pentaoxide*  | 1303-28-2                              | 0.005  |
|       | 10  | Diarsenic trioxide*  | 1327-53-3                              | 0.005  |
|       | 11  | Dibutyl phthalate (DBP)  | 84-74-2                                | 0.050  |
| I     | 12  | Hexabromocyclododecane<br>(HBCDD) and all major<br>diastereoisomers identified (α-<br>HBCDD, β-HBCDD, γ-HBCDD) | -                                      | 0.050  |
|       | 13  | Lead hydrogen arsenate*  | 7784-40-9                              | 0.005  |
| I     | 14  | Sodium dichromate*   | 10588-01-9<br>/7789-12-0               | 0.005  |
|       | 15  | Triethyl arsenate*   | 15606-95-8                             | 0.005  |
| II    | 16  | 2,4-Dinitrotoluene   | 121-14-2                               | 0.050  |
| Ш     | 17  | Anthracene oil**   | 90640-80-5                             | 0.050  |
| П     | 18  | Anthracene oil, anthracene paste**   | 90640-81-6                             | 0.050  |
| Ш     | 19  | Anthracene oil, anthracene paste, anthracene fraction**  | 91995-15-2                             | 0.050  |
| II    | 20  | Anthracene oil, anthracene paste,<br>distn. Lights**   | 91995-17-4                             | 0.050  |
| II    | 21  | Anthracene oil, anthracene-low**   | 90640-82-7                             | 0.050  |
| II    | 22  | Diisobutyl phthalate   | 84-69-5                                | 0.050  |
| II    | 23  | Lead chromate*   | 7758-97-6                              | 0.005  |
| Ш     | 24  | Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*   | 12656-85-8                             | 0.005  |
| П     | 25  | Lead sulfochromate yellow (C.I.<br>Pigment Yellow 34)*   | 1344-37-2                              | 0.005  |
| II    | 26  | Pitch, coal tar, high temp. **   | 65996-93-2                             | 0.050  |
| Ш     | 27  | Tris(2-chloroethyl)phosphate   | 115-96-8                               | 0.050  |
| II    | 28  | Acrylamide   | 79-06-1                                | 0.050  |
| III   | 29  | Ammonium dichromate*   | 7789-09-5                              | 0.005  |
| III   | 30  | Boric acid*  | -                                      | 0.005  |
| III   | 31  | Disodium tetraborate, anhydrous*   | 12179-04-3<br>/1303-96-4<br>/1330-43-4 | 0.005  |
| III   | 32  | Potassium chromate*  | 7789-00-6                              | 0.005  |
| III   | 33  | Potassium dichromate*  | 7778-50-9                              | 0.005  |



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| Batch | No. | Substance Name   | CAS No.                | RL (%) |
|-------|-----|--|------------------------|--------|
| Ш     | 34  | Sodium chromate*   | 7775-11-3              | 0.005  |
| Ш     | 35  | Tetraboron disodium heptaoxide, hydrate*                                       | 12267-73-1             | 0.005  |
| III   | 36  | Trichloroethylene  | 79-01-6                | 0.050  |
| IV    | 37  | 2-Ethoxyethanol  | 110-80-5               | 0.050  |
| IV    | 38  | 2-Methoxyethanol   | 109-86-4               | 0.050  |
| IV    | 39  | Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*    | -                      | 0.005  |
| IV    | 40  | Chromium trioxide*   | 1333-82-0              | 0.005  |
| IV    | 41  | Cobalt(II) carbonate*  | 513-79-1               | 0.005  |
| IV    | 42  | Cobalt(II) diacetate*  | 71-48-7                | 0.005  |
| IV    | 43  | Cobalt(II) dinitrate*  | 10141-05-6             | 0.005  |
| IV    | 44  | Cobalt(II) sulphate*   | 10124-43-3             | 0.005  |
| V     | 45  | 1,2,3-trichloropropane   | 96-18-4                | 0.050  |
| ٧     | 46  | 1,2-Benzenedicarboxylic acid, di-<br>C6-8-branched alkyl esters, C7-rich       | 71888-89-6             | 0.050  |
| ٧     | 47  | 1,2-Benzenedicarboxylic acid, di-<br>C7-11-branched and linear alkyl<br>esters | 68515-42-4             | 0.050  |
| V     | 48  | 1-methyl-2-pyrrolidone   | 872-50-4               | 0.050  |
| V     | 49  | 2-ethoxyethyl acetate  | 111-15-9               | 0.050  |
| V     | 50  | Hydrazine  | 302-01-2<br>/7803-57-8 | 0.050  |
| V     | 51  | strontium chromate*  | 7789-06-2              | 0.005  |
| VI    | 52  | 1,2-Dichloroethane   | 107-06-2               | 0.050  |
| VI    | 53  | 2,2'-dichloro-4,4'-<br>methylenedianiline                                      | 101-14-4               | 0.050  |
| VI    | 54  | 2-Methoxyaniline; o-Anisidine  | 90-04-0                | 0.050  |
| VI    | 55  | 4-(1,1,3,3-tetramethylbutyl)phenol   | 140-66-9               | 0.050  |
| VI    | 56  | Aluminosilicate Refractory Ceramic Fibres*                                     | -                      | 0.005  |
| VI    | 57  | Arsenic acid*  | 7778-39-4              | 0.005  |
| VI    | 58  | Bis(2-methoxyethyl) ether  | 111-96-6               | 0.050  |
| VI    | 59  | Bis(2-methoxyethyl) phthalate  | 117-82-8               | 0.050  |
| VI    | 60  | Calcium arsenate*  | 7778-44-1              | 0.005  |
| VI    | 61  | Dichromium tris(chromate)*   | 24613-89-6             | 0.005  |
| VI    | 62  | Formaldehyde, oligomeric reaction products with aniline                        | 25214-70-4             | 0.050  |
| VI    | 63  | Lead diazide, Lead azide*  | 13424-46-9             | 0.005  |
| VI    | 64  | Lead dipicrate*  | 6477-64-1              | 0.005  |
| VI    | 65  | Lead styphnate*  | 15245-44-0             | 0.005  |
| VI    | 66  | N,N-dimethylacetamide  | 127-19-5               | 0.050  |
| VI    | 67  | Pentazinc chromate octahydroxide*  | 49663-84-5             | 0.005  |
| VI    | 68  | Phenolphthalein  | 77-09-8                | 0.050  |
| VI    | 69  | Potassium hydroxyoctaoxodizincatedichromat e*                                  | 11103-86-9             | 0.005  |



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| Batch | No. | Substance Name  | CAS No.     | RL (%) |
|-------|-----|---|-------------|--------|
| VI    | 70  | Trilead diarsenate*   | 3687-31-8   | 0.005  |
| VI    | 71  | Zirconia Aluminosilicate Refractory                             | _           | 0.005  |
| V1    |     | Ceramic Fibres*   |             | 0.000  |
|       |     | [4-[[4-anilino-1-naphthyl][4-                                   |             |        |
| 1/11  | 70  | (dimethylamino)phenyl]methylene]c                               | 2500 50 5   | 0.050  |
| VII   | 72  | yclohexa-2,5-dien-1-ylidene]                                    | 2580-56-5   | 0.050  |
|       |     | dimethylammonium chloride (C.I.<br>Basic Blue 26)§              |             |        |
|       |     | [4-[4,4'-bis(dimethylamino)                                     |             |        |
|       |     | benzhydrylidene]cyclohexa-2,5-                                  |             |        |
| VII   | 73  | dien-1-ylidene]dimethylammonium                                 | 548-62-9    | 0.050  |
|       |     | chloride (C.I. Basic Violet 3) §                                |             |        |
|       |     | 1,2-bis(2-methoxyethoxy)ethane                                  |             |        |
| VII   | 74  | (TEGDME; triglyme)  | 112-49-2    | 0.050  |
| \ /II | 7.5 | 1,2-dimethoxyethane; ethylene                                   | 440.74.4    | 0.050  |
| VII   | 75  | glycol dimethyl ether (EGDME)                                   | 110-71-4    | 0.050  |
| VII   | 76  | 4,4'-bis(dimethylamino)   | 90-94-8     | 0.050  |
| VII   | 70  | benzophenone (Michler's Ketone)                                 | 30-34-0     | 0.000  |
| VII   | 77  | 4,4'-bis(dimethylamino)-4"-                                     | 561-41-1    | 0.050  |
|       |     | (methylamino)trityl alcohol§                                    |             |        |
| VII   | 78  | Diboron trioxide*   | 1303-86-2   | 0.005  |
| VII   | 79  | Formamide   | 75-12-7     | 0.050  |
| VII   | 80  | Lead(II) bis(methanesulfonate)*                                 | 17570-76-2  | 0.005  |
| VII   | 81  | N,N,N',N'-tetramethyl-4,4'-                                     | 101-61-1    | 0.050  |
|       |     | methylenedianiline (Michler's base)                             | 101011      |        |
|       |     | TGIC (1,3,5-tris(oxiranylmethyl)-                               |             | 0.050  |
| VII   | 82  | 1,3,5-triazine-2,4,6(1H,3H,5H)-                                 | 2451-62-9   |        |
|       |     | trione)   |             |        |
| VII   | 83  | α,α-Bis[4-(dimethylamino)phenyl]-4                              | 6786-83-0   | 0.050  |
| VII   | 03  | (phenylamino)naphthalene-1-<br>methanol (C.I. Solvent Blue 4) § | 0700-03-0   | 0.050  |
|       |     | β-TGIC (1,3,5-tris[(2S and 2R)-2,3-                             |             |        |
| VII   | 84  | epoxypropyl]-1,3,5-triazine-2,4,6-                              | 59653-74-6  | 0.050  |
| V II  | 04  | (1H,3H,5H)-trione)  | 00000-74-0  | 0.000  |
| VIII  | 85  | [Phthalato(2-)]dioxotrilead*                                    | 69011-06-9  | 0.005  |
|       |     | 1,2-Benzenedicarboxylic acid,                                   |             |        |
| VIII  | 86  | dipentylester, branched and linear                              | 84777-06-0  | 0.050  |
| VIII  | 87  | 1,2-Diethoxyethane  | 629-14-1    | 0.050  |
| VIII  | 88  | 1-Bromopropane  | 106-94-5    | 0.050  |
| VIII  | 89  | 3-Ethyl-2-methyl-2-(3-methylbutyl)-                             | 143860-04-2 | 0.050  |
| VIII  | 09  | 1,3-oxazolidine   | 143000-04-2 | 0.050  |
| VIII  | 90  | 4-(1,1,3,3-tetramethylbutyl)phenol,                             | _           | 0.050  |
|       |     | ethoxylated   |             |        |
| VIII  | 91  | 4,4'-Methylenedi-o-toluidine                                    | 838-88-0    | 0.050  |
| VIII  | 92  | 4,4'-Oxydianiline and its salts                                 | 101-80-4    | 0.050  |
| VIII  | 93  | 4-Aminoazobenzene   | 60-09-3     | 0.050  |
| VIII  | 94  | 4-Methyl-m-phenylenediamine                                     | 95-80-7     | 0.050  |



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| Batch | No. | Substance Name   | CAS No.     | RL (%) |
|-------|-----|--|-------------|--------|
| VIII  | 95  | 4-Nonylphenol, branched and  |             | 0.050  |
|       | 90  | linear   |             |        |
| VIII  | 96  | 6-Methoxy-m-toluidine  | 120-71-8    | 0.050  |
| VIII  | 97  | Acetic acid, lead salt, basic*   | 51404-69-4  | 0.005  |
| VIII  | 98  | Biphenyl-4-ylamine   | 92-67-1     | 0.050  |
| VIII  | 99  | Decabromodiphenyl ether (DecaBDE)  | 1163-19-5   | 0.050  |
| VIII  | 100 | Cyclohexane-1,2-dicarboxylic<br>anhydride, cis-cyclohexane-1,2-<br>dicarboxylic anhydride, trans-<br>cyclohexane-1,2-dicarboxylic<br>anhydride                       | -           | 0.050  |
| VIII  | 101 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))  | 123-77-3    | 0.050  |
| VIII  | 102 | Dibutyltin dichloride (DBTC)   | 683-18-1    | 0.050  |
| VIII  | 103 | Diethyl sulphate   | 64-67-5     | 0.050  |
| VIII  | 104 | Diisopentylphthalate   | 605-50-5    | 0.050  |
| VIII  | 105 | Dimethyl sulphate  | 77-78-1     | 0.050  |
| VIII  | 106 | Dinoseb  | 88-85-7     | 0.050  |
| VIII  | 107 | Dioxobis(stearato)trilead*   | 12578-12-0  | 0.005  |
| VIII  | 108 | Fatty acids, C16-18, lead salts*   | 91031-62-8  | 0.005  |
| VIII  | 109 | Furan  | 110-00-9    | 0.050  |
| VIII  | 110 | Henicosafluoroundecanoic acid  | 2058-94-8   | 0.050  |
| VIII  | 111 | Heptacosafluorotetradecanoic acid  | 376-06-7    | 0.050  |
| VIII  | 112 | Hexahydromethylphthalic<br>anhydride, Hexahydro-4-<br>methylphthalic anhydride,<br>Hexahydro-1-methylphthalic<br>anhydride, Hexahydro-3-<br>methylphthalic anhydride | -           | 0.050  |
| VIII  | 113 | Lead bis(tetrafluoroborate)*   | 13814-96-5  | 0.005  |
| VIII  | 114 | Lead cyanamidate*  | 20837-86-9  | 0.005  |
| VIII  | 115 | Lead dinitrate*  | 10099-74-8  | 0.005  |
| VIII  | 116 | Lead monoxide*   | 1317-36-8   | 0.005  |
| VIII  | 117 | Lead oxide sulfate*  | 12036-76-9  | 0.005  |
| VIII  | 118 | Lead tetroxide (orange lead)*  | 1314-41-6   | 0.005  |
| VIII  | 119 | Lead titanium trioxide*  | 12060-00-3  | 0.005  |
| VIII  | 120 | Lead titanium zirconium oxide*   | 12626-81-2  | 0.005  |
| VIII  | 121 | Methoxyacetic acid   | 625-45-6    | 0.050  |
| VIII  | 122 | Methyloxirane (Propylene oxide)  | 75-56-9     | 0.050  |
| VIII  | 123 | N,N-Dimethylformamide  | 68-12-2     | 0.050  |
| VIII  | 124 | N-Methylacetamide  | 79-16-3     | 0.050  |
| VIII  | 125 | N-Pentyl-isopentylphthalate  | 776297-69-9 | 0.050  |
| VIII  | 126 | o-Aminoazotoluene  | 97-56-3     | 0.050  |
| VIII  | 127 | o-Toluidine  | 95-53-4     | 0.050  |
| VIII  | 128 | Pentacosafluorotridecanoic acid  | 72629-94-8  | 0.050  |
|       | 120 |  | 12020-04-0  |        |
| VIII  | 129 | Pentalead tetraoxide sulphate*   | 12065-90-6  | 0.005  |



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| Batch | No. | Substance Name  | CAS No.    | RL (%) |
|-------|-----|---|------------|--------|
| VIII  | 131 | Silicic acid, barium salt, lead-<br>doped*  | 68784-75-8 | 0.005  |
| VIII  | 132 | Silicic acid, lead salt*  | 11120-22-2 | 0.005  |
| VIII  | 133 | Sulfurous acid, lead salt, dibasic*   | 62229-08-7 | 0.005  |
| VIII  | 134 | Tetraethyllead*   | 78-00-2    | 0.005  |
| VIII  | 135 | Tetralead trioxide sulphate*  | 12202-17-4 | 0.005  |
| VIII  | 136 | Tricosafluorododecanoic acid  | 307-55-1   | 0.050  |
| VIII  | 137 | Trilead bis(carbonate)dihydroxide (basic lead carbonate)*   | 1319-46-6  | 0.005  |
| VIII  | 138 | Trilead dioxide phosphonate*  | 12141-20-7 | 0.005  |
| IX    | 139 | 4-Nonylphenol, branched and linear, ethoxylated   | -          | 0.050  |
| IX    | 140 | Ammonium pentadecafluorooctanoate (APFO)**  | 3825-26-1  | 0.050  |
| IX    | 141 | Cadmium oxide*  | 1306-19-0  | 0.005  |
| IX    | 142 | Cadmium   | 7440-43-9  | 0.005  |
| IX    | 143 | Dipentyl phthalate (DPP)  | 131-18-0   | 0.050  |
| IX    | 144 | Pentadecafluorooctanoic acid (PFOA)   | 335-67-1   | 0.050  |
| Х     | 145 | Cadmium sulphide*   | 1306-23-6  | 0.005  |
| X     | 146 | Dihexyl phthalate   | 84-75-3    | 0.050  |
| 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  |
| Х     | 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  |
| Χ     | 149 | Imidazolidine-2-thione; (2-<br>imidazoline-2-thiol)   | 96-45-7    | 0.050  |
| X     | 150 | Lead di(acetate)*   | 301-04-2   | 0.005  |
| Х     | 151 | Trixylyl phosphate  | 25155-23-1 | 0.050  |
| ΧI    | 152 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear  | 68515-50-4 | 0.050  |
| ΧI    | 153 | Cadmium chloride*   | 10108-64-2 | 0.005  |
| ΧI    | 154 | Sodium perborate; perboric acid, sodium salt*   | -          | 0.005  |
| ΧI    | 155 | Sodium peroxometaborate*  | 7632-04-4  | 0.005  |
| XII   | 156 | 2-(2H-benzotriazol-2-yl)-4,6-<br>ditertpentylphenol (UV-328)  | 25973-55-1 | 0.050  |
| XII   | 157 | 2-benzotriazol-2-yl-4,6-di-tert-<br>butylphenol (UV-320)  | 3846-71-7  | 0.050  |
| XII   | 158 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-<br>oxo-8-oxa-3,5-dithia-4-<br>stannatetradecanoate (DOTE)  | 15571-58-1 | 0.050  |



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| Batch | No. | Substance Name  | CAS No.     | RL (%) |
|-------|-----|---|-------------|--------|
| XII   | 159 | Cadmium fluoride*   | 7790-79-6   | 0.005  |
| XII   | 160 |   | 10124-36-4  | 0.005  |
| ΛII   | 100 | Cadmium sulphate*   | /31119-53-6 | 0.005  |
| 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  |
| XIII  | 162 | 1,2-benzenedicarboxylic acid, di-<br>C6-10-alkyl esters; 1,2-<br>benzenedicarboxylic acid, mixed<br>decyl and hexyl and octyl diesters<br>with ≥ 0.3% of dihexyl phthalate  | -           | 0.050  |
| XIII  | 163 | 5-sec-butyl-2-(2,4-<br>dimethylcyclohex-3-en-1-yl)-5-<br>methyl-1,3-dioxane [1], 5-sec-butyl-<br>2-(4,6-dimethylcyclohex-3-en-1-yl)-<br>5-methyl-1,3-dioxane [2] [covering<br>any of the individual isomers of [1]<br>and [2] or any combination thereof] | -           | 0.050  |
| XIV   | 164 | 1,3-propanesultone  | 1120-71-4   | 0.050  |
| XIV   | 165 | 2,4-di-tert-butyl-6-(5-<br>chlorobenzotriazol-2-yl) phenol<br>(UV-327)  | 3864-99-1   | 0.050  |
| XIV   | 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-<br>butyl)-6-(sec-butyl) phenol (UV-<br>350)   | 36437-37-3  | 0.050  |
| XIV   | 167 | Nitrobenzene  | 98-95-3     | 0.050  |
| XIV   | 168 | Perfluorononan-1-oic-acid and its sodium and ammonium salts   | -           | 0.050  |
| XV    | 169 | Benzo[def]chrysene<br>(Benzo[a]pyrene)  | 50-32-8     | 0.050  |
| XVI   | 170 | 4,4'-isopropylidenediphenol (bisphenol A)   | 80-05-7     | 0.050  |
| XVI   | 171 | 4-Heptylphenol, branched and linear   | -           | 0.050  |
| XVI   | 172 | Nonadecafluorodecanoic acid<br>(PFDA) and its sodium and<br>ammonium salts  | -           | 0.050  |
| XVI   | 173 | p-(1,1-dimethylpropyl)phenol  | 80-46-6     | 0.050  |
| XVII  | 174 | Perfluorohexane-1-sulphonic acid and its salts  | -           | 0.050  |
| 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" TM) [covering Unless otherwise agreed in writing, this document is issued by  | -           | 0.050  |





| Batch | No. | Substance Name  | CAS No.    | RL (%) |
|-------|-----|---|------------|--------|
|       |     | any of its individual anti- and syn-  |            |        |
|       |     | isomers or any combination  |            |        |
|       |     | thereof]  |            |        |
| XVIII | 176 | Benz[a]anthracene   | 56-55-3    | 0.050  |
| XVIII | 177 | Cadmium nitrate*  | 10325-94-7 | 0.005  |
| XVIII | 178 | Cadmium carbonate*  | 513-78-0   | 0.005  |
| XVIII | 179 | Cadmium hydroxide*  | 21041-95-2 | 0.005  |
| XVIII | 180 | Chrysene  | 218-01-9   | 0.050  |
| 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  |
| XIX   | 182 | Benzene-1,2,4-tricarboxylic acid<br>1,2 anhydride (trimellitic anhydride)<br>(TMA)  | 552-30-7   | 0.050  |
| XIX   | 183 | Benzo[ghi]perylene  | 191-24-2   | 0.050  |
| XIX   | 184 | Decamethylcyclopentasiloxane (D5)   | 541-02-6   | 0.050  |
| XIX   | 185 | Dicyclohexyl phthalate (DCHP)   | 84-61-7    | 0.050  |
| XIX   | 186 | Disodium octaborate*  | 12008-41-2 | 0.005  |
| XIX   | 187 | Dodecamethylcyclohexasiloxane (D6)  | 540-97-6   | 0.050  |
| XIX   | 188 | Ethylenediamine (EDA)   | 107-15-3   | 0.050  |
| XIX   | 189 | Lead  | 7439-92-1  | 0.005  |
| XIX   | 190 | Octamethylcyclotetrasiloxane (D4)   | 556-67-2   | 0.050  |
| XIX   | 191 | Terphenyl, hydrogenated   | 61788-32-7 | 0.050  |
| xx    | 192 | 1,7,7-trimethyl-3-<br>(phenylmethylene)bicyclo[2.2.1]hep<br>tan-2-one (3-benzylidene camphor)   | 15087-24-8 | 0.050  |
| XX    | 193 | 2,2-bis(4'-hydroxyphenyl)-4-<br>methylpentane   | 6807-17-6  | 0.050  |
| XX    | 194 | Benzo[k]fluoranthene  | 207-08-9   | 0.050  |
| XX    | 195 | Fluoranthene  | 206-44-0   | 0.050  |
| XX    | 196 | Phenanthrene  | 85-01-8    | 0.050  |
| XX    | 197 | Pyrene  | 129-00-0   | 0.050  |
| 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)               | -          | 0.050  |
| XXI   | 199 | 2-methoxyethyl acetate  | 110-49-6   | 0.050  |
| XXI   | 200 | 4-tert-butylphenol (PTBP)   | 98-54-4    | 0.050  |
| XXI   | 201 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)  | -          | 0.050  |



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| Batch | No. | Substance Name   | CAS No.     | RL (%) |
|-------|-----|--|-------------|--------|
| XXII  | 202 | 2-benzyl-2-dimethylamino-4'-<br>morpholinobutyrophenone  | 119313-12-1 | 0.050  |
| XXII  | 203 | 2-methyl-1-(4-methylthiophenyl)-2-<br>morpholinopropan-1-one   | 71868-10-5  | 0.050  |
| XXII  | 204 | Diisohexyl phthalate   | 71850-09-4  | 0.050  |
| XXII  | 205 | Perfluorobutane sulfonic acid (PFBS) and its salts   | -           | 0.050  |
| XXIII | 206 | 1-vinylimidazole   | 1072-63-5   | 0.050  |
| XXIII | 207 | 2-methylimidazole  | 693-98-1    | 0.050  |
| XXIII | 208 | Butyl 4-hydroxybenzoate  | 94-26-8     | 0.050  |
| XXIII | 209 | Dibutylbis(pentane-2,4-dionato-<br>O,O')tin**  | 22673-19-4  | 0.050  |
| XXIV  | 210 | bis(2-(2-methoxyethoxy)ethyl) ether  | 143-24-8    | 0.050  |
| XXIV  | 211 | Dioctyltin dilaurate, stannane,<br>dioctyl-, bis(coco acyloxy) derivs.,<br>and any other stannane, dioctyl-,<br>bis(fatty acyloxy) derivs. wherein<br>C12 is the predominant carbon<br>number of the fatty acyloxy<br>moiety** | -           | 0.050  |
| XXV   | 212 | 1,4-Dioxane  | 123-91-1    | 0.050  |
| XXV   | 213 | 2,2-bis(bromomethyl)propane1,3-<br>diol (BMP); 2,2-dimethylpropan-1-<br>ol, tribromo derivative/3-bromo-2,2-<br>bis(bromomethyl)-1-propanol<br>(TBNPA); 2,3-dibromo-1-propanol<br>(2,3-DBPA)                                   | -           | 0.050  |
| XXV   | 214 | 2-(4-tert-<br>butylbenzyl)propionaldehyde and<br>its individual stereoisomers  | -           | 0.050  |
| XXV   | 215 | 4,4'-(1-<br>methylpropylidene)bisphenol;<br>(bisphenol B)  | 77-40-7     | 0.050  |
| XXV   | 216 | Glutaral   | 111-30-8    | 0.050  |
| 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]  | -           | 0.050  |
| 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)                                  | -           | 0.050  |



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| Batch  | No. | Substance Name  | CAS No.     | RL (%) |
|--------|-----|---|-------------|--------|
| 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)                       | -           | 0.050  |
| XXVI   | 221 | 6,6'-di-tert-butyl-2,2'-methylenedi-p-<br>cresol (DBMC)   | 119-47-1    | 0.050  |
| XXVI   | 222 | S-(tricyclo[5.2.1.0'2,6]deca-3-en-<br>8(or 9)-yl) O-(isopropyl or isobutyl<br>or 2-ethylhexyl) O-(isopropyl or<br>isobutyl or 2-ethylhexyl)<br>phosphorodithioate             | 255881-94-8 | 0.050  |
| XXVI   | 223 | Tris(2-methoxyethoxy)vinylsilane  | 1067-53-4   | 0.050  |
| XXVII  | 224 | N-(hydroxymethyl)acrylamide   | 924-42-5    | 0.050  |
| XXVIII | 225 | 1,1'-[ethane-1,2-<br>diylbisoxy]bis[2,4,6-<br>tribromobenzene]  | 37853-59-1  | 0.050  |
| XXVIII | 226 | 2,2',6,6'-tetrabromo-4,4'-<br>isopropylidenediphenol  | 79-94-7     | 0.050  |
| XXVIII | 227 | 4,4'-sulphonyldiphenol  | 80-09-1     | 0.050  |
| XXVIII | 228 | Barium diboron tetraoxide*  | 13701-59-2  | 0.005  |
| XXVIII | 229 | Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof  | -           | 0.050  |
| XXVIII | 230 | Isobutyl 4-hydroxybenzoate  | 4247-02-3   | 0.050  |
| XXVIII | 231 | Melamine  | 108-78-1    | 0.050  |
| XXVIII | 232 | Perfluoroheptanoic acid and its salts   | -           | 0.050  |
| XXVIII | 233 | reaction mass of 2,2,3,3,5,5,6,6-<br>octafluoro-4-(1,1,1,2,3,3,3-<br>heptafluoropropan-2-yl)morpholine<br>and 2,2,3,3,5,5,6,6-octafluoro-4-<br>(heptafluoropropyl)morpholine* | -           | 0.050  |
| XXIX   | 234 | Bis(4-chlorophenyl) sulphone  | 80-07-9     | 0.050  |
| XXIX   | 235 | Diphenyl(2,4,6-<br>trimethylbenzoyl)phosphine oxide   | 75980-60-8  | 0.050  |
| XXX    | 236 | 2,4,6-tri-tert-butylphenol  | 732-26-3    | 0.050  |
| xxx    | 237 | 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-<br>tetramethylbutyl)phenol (UV-329)  | 3147-75-9   | 0.050  |
| xxx    | 238 | 2-(dimethylamino)-2-[(4-<br>methylphenyl)methyl]-1-[4-<br>(morpholin-4-yl)phenyl]butan-1-one  | 119344-86-4 | 0.050  |
| XXX    | 239 | Bumetrizole (UV-326)  | 3896-11-5   | 0.050  |
|        |     | Oligomerisation and alkylation reaction products of 2-  |             | 0.050  |
| XXX    | 240 | phenylpropene and phenol  | -           | 0.000  |



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| Batch | No. | Substance Name   | CAS No.      | RL (%) |
|-------|-----|--|--------------|--------|
| XXXI  | 242 | Triphenyl phosphate  | 115-86-6     | 0.050  |
| /     | 243 | 6-[(C10-C13)-alkyl-(branched,<br>unsaturated)-2,5-dioxopyrrolidin-1-<br>yl]hexanoic acid | 2156592-54-8 | 0.050  |
| /     | 244 | O,O,O-triphenyl phosphorothioate   | 597-82-0     | 0.050  |
| /     | 245 | Octamethyltrisiloxane  | 107-51-7     | 0.050  |
| /     | 246 | Perfluamine  | 338-83-0     | 0.050  |
| /     | 247 | Reaction mass of:<br>triphenylthiophosphate and tertiary<br>butylated phenyl derivatives | 192268-65-8  | 0.050  |
| /     | 248 | Tris(4-nonylphenyl, branched) phosphite  | -            | 0.050  |
| /     | 249 | Resorcinol   | 108-46-3     | 0.050  |
| /     | 250 | 1,1,1,3,5,5,5-heptamethyl-3-<br>[(trimethylsilyl)oxy]trisiloxane                         | 17928-28-8   | 0.050  |
| 1     | 251 | 1,1,1,3,5,5,5-<br>heptamethyltrisiloxane   | 1873-88-7    | 0.050  |
| 1     | 252 | Decamethyltetrasiloxane  | 141-62-8     | 0.050  |
| 1     | 253 | Dodecamethylpentasiloxane  | 141-63-9     | 0.050  |
| /     | 254 | Hexamethyldisiloxane   | 107-46-0     | 0.050  |
| /     | 255 | Barium chromate*   | 10294-40-3   | 0.005  |



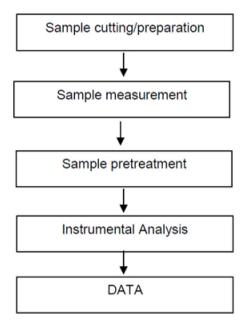
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## Test Report (SVHC) ATTACHMENTS

### **Testing Flow Chart**





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10150 SERIES, 10180 SERIES, 10200 SERIES, 10280 SERIES, 10300 SERIES, 10330 SERIES, 10370 SERIES, 10380 SERIES, 10430 SERIES, 10440 SERIES, 10750 SERIES, 10840 SERIES, 10870 SERIES, 13450 SERIES, 13500 SERIES, 13620 SERIES, 13650 SERIES, 14200 SERIES, 14250 SERIES, 14280 SERIES, 14340 SERIES, 14430 SERIES, 14400 SERIES, 14450 SERIES, 14500 SERIES, 14580 SERIES, 14650 SERIES, 14850 SERIES, 14870 SERIES, 15270 SERIES, 16280 SERIES, 16310 SERIES, 16300 SERIES, 16340 SERIES, 16500 SERIES, 16650 SERIES, 17335 SERIES, 17340 SERIES, 17500 SERIES, 18350 SERIES, 18490 SERIES, 18500 SERIES, 18620 SERIES, 18650 SERIES, 21700 SERIES, 22340 SERIES, 22430 SERIES, 22500 SERIES, 22650 SERIES, 26350 SERIES, 26500 SERIES, 26650 SERIES, 32550 SERIES, 32600 SERIES, 32650 SERIES, 34600 SERIES, 10400 SERIES, 10820 SERIES, 18450 SERIES, 13300 SERIES, 22250 SERIES, 26250 SERIES, 34550 SERIES, 18600 SERIES, 18360 SERIES, 18250 SERIES, 13400 SERIES, 18250 SERIES, 21350 SERIES, 26800 SERIES, 34650 SERIES, 13430 SERIES, 10850 SERIES, 052030 SERIES, 08350 SERIES, 402030 SERIES, 502020 SERIES, 804260 SERIES, 10300 Fe SERIES, 10430 Fe SERIES, 12360 Fe SERIES, 14430 Fe SERIES, 14500 Fe SERIES, 18250 Fe SERIES, 18500 Fe SERIES, 18650 Fe SERIES, 22650 Fe SERIES, 26650 Fe SERIES, 32157 Fe SERIES, 32650 Fe SERIES, 32700 Fe SERIES, 38120 Fe SERIES, 42120 Fe SERIES, 21700 Fe SERIES, 14360 Fe SERIES, 16340 Fe SERIES, INR10150 SERIES, INR10180 SERIES, INR10200 SERIES, INR10280 SERIES, INR10300 SERIES, INR10330 SERIES, INR10370 SERIES, INR10380 SERIES, INR10430 SERIES, INR10440 SERIES, INR10750 SERIES, INR10840 SERIES, INR10870 SERIES, INR13450 SERIES, INR13500 SERIES, INR13620 SERIES, INR13650 SERIES, INR14200 SERIES, INR14250 SERIES, INR14280 SERIES, INR14340 SERIES, INR14430 SERIES, INR14400 SERIES, INR14450 SERIES, INR14500 SERIES, INR14580 SERIES, INR14650 SERIES, INR14850SERIE, INR14870 SERIES, INR15270 SERIES, INR16280 SERIES, INR16310 SERIES, INR16300 SERIES, INR16340 SERIES, INR16500 SERIES, INR16650 SERIES, INR17335 SERIES, INR17340 SERIES, INR17500 SERIES, INR18350 SERIES, INR18490 SERIES, INR18500 SERIES, INR18620 SERIES, INR18650 SERIES, INR21700 SERIES, INR22340 SERIES, INR22430 SERIES, INR22500 SERIES, INR22650 SERIES, INR26350 SERIES, INR26500 SERIES, INR26650 SERIES, INR32550 SERIES, INR32600 SERIES, INR32650 SERIES, INR34600 SERIES, INR10400 SERIES, INR10820 SERIES, INR18450 SERIES, INR13300 SERIES, INR22250 SERIES, INR26250 SERIES, INR34550 SERIES, INR18600 SERIES, INR18360 SERIES, INR18250 SERIES, INR13400 SERIES, INR18250 SERIES, INR21350 SERIES, INR26800 SERIES, INR34650 SERIES, INR13430 SERIES, INR10850 SERIES, 052030 SERIES, 08350 SERIES, 402030 SERIES, 502020 SERIES, 804260 SERIES, 10300 Fe SERIES, 10430 Fe SERIES, 12360 Fe SERIES, 14430 Fe SERIES, 14500 Fe SERIES, 18250 Fe SERIES, 18500 Fe SERIES, 18650 Fe SERIES, 22650 Fe SERIES, 26650 Fe SERIES, 32157 Fe SERIES, 32650 Fe SERIES, 32700 Fe SERIES, 38120 Fe SERIES, 42120 Fe SERIES, 21700 Fe SERIES, 14360 Fe SERIES, 16340 Fe **SERIES** 



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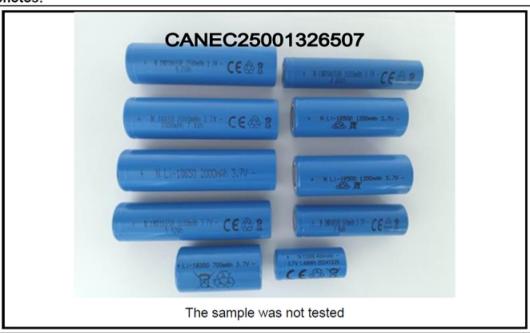


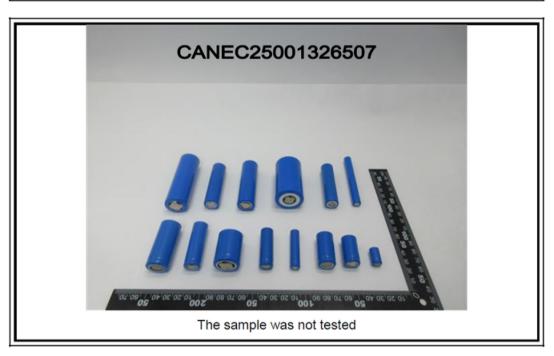
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