

# Test Report (SVHC)

No.: CANEC24026850002

Date: Mar 04, 2025

Page 1 of 28

Client Name: LAVA GROUP S.C./REITER POLSKA SP. Z O.O.

Client Address: Eugeniusza Romera 4b, 02-784 Warszawa, Poland

Sample Name: Backpack

Model No.: LPN320, LPN310, LNN340, LSN330

Client Ref. Information: backpack / sport bag / waist bag

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

SGS Job No.: XMP24-005404

Sample Receiving Date: Nov 29, 2024

Testing Period: Nov 29, 2024 ~ Jan 27, 2025

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

(i) Two hundred and forty seven (247) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jan 21, 2025 regarding Regulation (EC) No 1907/2006 concerning the REACH.

As requested by client, Potential SVHC screening is performed according to: (i) One (1) potential Substance of Very High Concern (SVHC) in the Identification ongoing.

(ii) Four (4) 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).

## Summary:

|  |             |
|--|-------------|
| <p>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 results of 247 SVHC in the Candidate List are <math>\leq 0.1\%</math> (w/w) in the articles of the submitted sample.</p> | <p>Pass</p> |
|--|-------------|

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

*Allie Chen*

Allie Chen  
Approved Signatory

Scan to see the report



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## Test Report (SVHC)

No.: CANEC24026850002

Date: Mar 04, 2025

Page 2 of 28

|  |      |
|--|------|
| 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 results of 5 Potential SVHC are $\leq 0.1\%$ (w/w) in the articles of 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  $\geq 0.1\%$  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.

**Test Sample:**

Photo of Submitted Sample



## Test Report (SVHC)

No.: CANEC24026850002

Date: Mar 04, 2025

Page 5 of 28

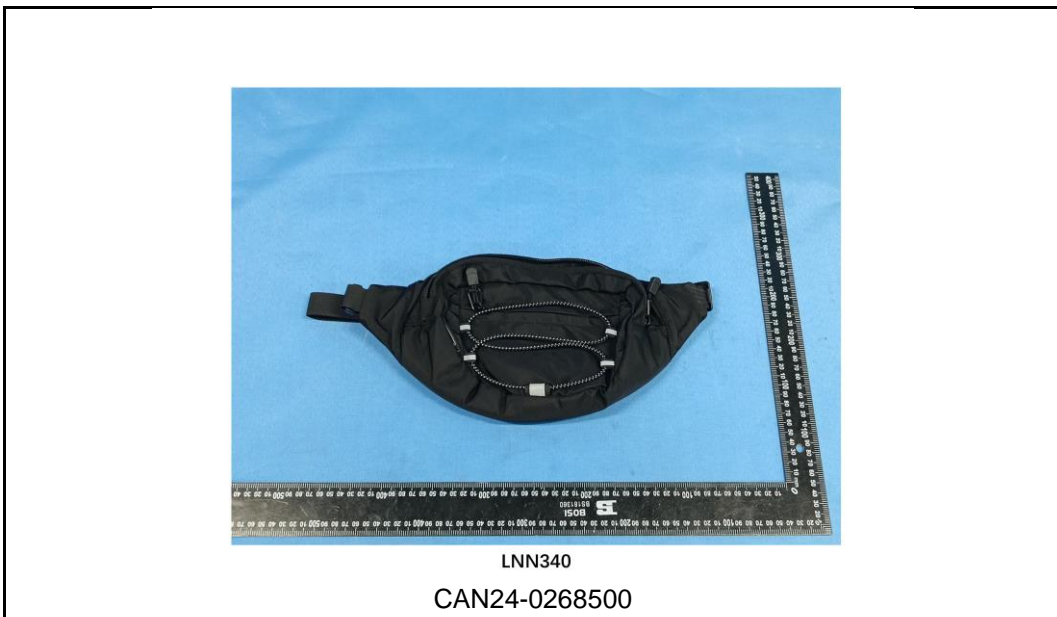
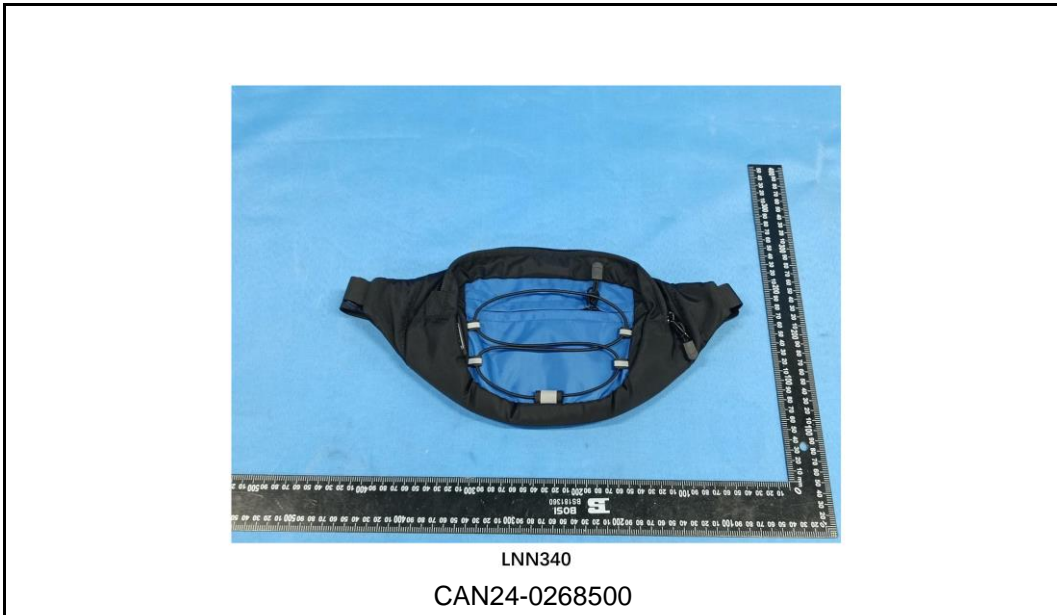


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**Sample Description:**

| Test Part ID | Material Description | Test Part ID | Material Description |
|--------------|----------------------|--------------|----------------------|
| A1           | Black fibre sheet    | A2           | Black material part  |



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**Test Report  
(SVHC)**

No.: CANEC24026850002

Date: Mar 04, 2025

Page 8 of 28

| Test Part ID | Material Description                     | Test Part ID | Material Description                    |
|--------------|--|--------------|---|
| A3           | Blue fibre sheet                         | A4           | Black fibre sheet                       |
| A5           | Black plastic part                       | A6           | Black plastic part                      |
| A7           | Black fibre sheet with grey printing     | A8           | Black surfaced metal part               |
| A9           | Black surfaced metal sheet               | A10          | Black plastic part                      |
| A11          | Black fibre thread                       | A12          | Black fibre sheet                       |
| A13          | Black plastic thread                     | A14          | Black fibre net                         |
| A15          | Black fibre sheet                        | A16          | Black fibre net                         |
| A17          | Black fibre sheet                        | A18          | Black fibre sheet with blue printing    |
| A19          | Black fibre sheet                        | A20          | Black material sheet with blue printing |
| A21          | Black fibre net                          | A22          | Grey foam sheet                         |
| A23          | Black fibre sheet                        | A24          | Grey foam sheet                         |
| A25          | Black plastic part                       | A26          | Black fibre sheet                       |
| A27          | Black fibre sheet                        | A28          | Green fibre sheet                       |
| A29          | Red fibre sheet                          | A30          | Yellow fibre sheet                      |
| A31          | Purple fibre sheet                       | A32          | Grey fibre sheet                        |
| A33          | Black fibre sheet                        | A34          | Black fibre sheet with white printing   |
| A35          | Black material sheet with white printing | A36          | Dark pink fibre sheet                   |
| A37          | Orange fibre sheet                       | A38          | Blue fibre sheet                        |
| A39          | Black fibre sheet                        | A40          | Black material                          |
| A41          | Blue fibre sheet                         | A42          | Black fibre sheet                       |
| A43          | Black/white material                     | A44          | Blue fibre sheet                        |
| A45          | Black fibre sheet                        | -            | -                                       |

**Testing Group:**

| Test Result ID | Description     | Test Part ID   | SGS Sample ID      |
|----------------|-----------------|--|--------------------|
| 001            | Nonmetal group1 | A1+A2+A3+A4+A5+A6+A7+A10+A11+A12+A13+A14+A15+A16+A17+A18+A19+A21+A23+A25 | CAN24-0268500-0002 |
| 002            | Nonmetal group2 | A20+A22+A24+A26+A27+A28+A29+A30+A31+A32+A33+A34+A35                      | CAN24-0268500-0003 |
| 003            | Metal group     | A8+A9  | CAN24-0268500-0004 |
| 004            | Nonmetal group3 | A36+A37+A38  | CAN24-0268500-0005 |
| 005            | Nonmetal group4 | A39+A40+A41+A42+A43+A44+A45  | CAN24-0268500-0006 |



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## Test Report (SVHC)

No.: CANEC24026850002

Date: Mar 04, 2025

Page 9 of 28

### 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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**Test Report  
(SVHC)**

No.: CANEC24026850002

Date: Mar 04, 2025

Page 10 of 28

**Result of SVHC in the Candidate List**

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

**Result of Potential SVHC**

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

**Result of SVHC in the Candidate List**

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

**Result of Potential SVHC**

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

**Result of SVHC in the Candidate List**

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

**Result of SVHC in the Candidate List**

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

**Result of Potential SVHC**

| Batch | Substance Name     | CAS No. | 004 Concentration (%) | RL (%) |
|-------|--------------------|---------|-----------------------|--------|
| /     | All Potential SVHC | -       | ND                    | -      |

**Result of SVHC in the Candidate List**

| Batch | Substance Name       | CAS No.                  | 005 Concentration (%) | RL (%) |
|-------|----------------------|--------------------------|-----------------------|--------|
| I     | Sodium dichromate*   | 10588-01-9<br>/7789-12-0 | 0.029                 | 0.010  |
| III   | Ammonium dichromate* | 7789-09-5                | 0.028                 | 0.010  |



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| Batch | Substance Name  | CAS No.                                | 005 Concentration (%) | RL (%) |
|-------|---|--|-----------------------|--------|
| III   | Boric acid*   | -                                      | 0.030                 | 0.010  |
| III   | Disodium tetraborate, anhydrous*  | 12179-04-3<br>/1303-96-4<br>/1330-43-4 | 0.025                 | 0.010  |
| III   | Potassium chromate*   | 7789-00-6                              | 0.043                 | 0.010  |
| III   | Potassium dichromate*   | 7778-50-9                              | 0.032                 | 0.010  |
| III   | Sodium chromate*  | 7775-11-3                              | 0.036                 | 0.010  |
| III   | Tetraboron disodium heptaoxide, hydrate*                                    | 12267-73-1                             | 0.025                 | 0.010  |
| IV    | Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid* | -                                      | 0.026                 | 0.010  |
| IV    | Chromium trioxide*  | 1333-82-0                              | 0.022                 | 0.010  |
| V     | strontium chromate*   | 7789-06-2                              | 0.045                 | 0.010  |
| VI    | Dichromium tris(chromate)*  | 24613-89-6                             | 0.033                 | 0.010  |
| VI    | Pentazinc chromate octahydroxide*   | 49663-84-5                             | NA^                   | 0.010  |
| VI    | Potassium hydroxyoctaoxodizincatedichromate*                                | 11103-86-9                             | 0.046                 | 0.010  |
| VII   | Diboron trioxide*   | 1303-86-2                              | 0.017                 | 0.010  |
| XIX   | Disodium octaborate*  | 12008-41-2                             | 0.021                 | 0.010  |
| XXV   | Orthoboric acid, sodium salt*   | 13840-56-7                             | 0.063                 | 0.005  |
| -     | Other SVHC in Candidate list  | -                                      | ND                    | -      |

**Result of Potential SVHC**

| Batch | Substance Name     | CAS No. | 005 Concentration (%) | RL (%) |
|-------|--------------------|---------|-----------------------|--------|
| /     | All Potential SVHC | -       | ND                    | -      |

**Notes:**

(1) The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.

(2) RL = Reporting Limit (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.

(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 = 0.01% 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=0.001%, boron RL=0.005% (only for Lead bis(tetrafluoroborate), Orthoboric acid, sodium salt, Barium diboron tetraoxide), chromium (VI) RL=0.005% (only for Pentazinc chromate octahydroxide), fluorine RL=0.060%.

(4) § The substance is proposed for the identification as SVHC only where it contains Michler's ketone (CAS



## Test Report (SVHC)

No.: CANEC24026850002

Date: Mar 04, 2025

Page 12 of 28

- Number: 90-94-8) or Michler's base (CAS Number: 101-61-1)  $\geq 0.1\%$  (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.
  - (7) / = Potential SVHC
  - (8) NA^ = Upon further test verification on the specific detected element(s) or characteristic of SVHC and also information provided from client, the possibility that the element(s) content or characteristic originate from SVHC is very unlikely, even though their presence cannot be excluded entirely. It may be assumed that the detected element(s) or characteristic have a non-SVHC source.

The location of performance of the laboratory activities: A. No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong; B. Room 101, Building 3, No.1501, Kaichuang Avenue, Huangpu District, Guangzhou, Guangdong

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'-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) | -                                      | 0.100  |
| I     | 13  | Lead hydrogen arsenate*  | 7784-40-9                              | 0.010  |
| I     | 14  | Sodium dichromate*   | 10588-01-9<br>/7789-12-0               | 0.010  |
| I     | 15  | Triethyl arsenate*   | 15606-95-8                             | 0.010  |
| II    | 16  | 2,4-Dinitrotoluene   | 121-14-2                               | 0.100  |
| II    | 17  | Anthracene oil**   | 90640-80-5                             | 0.100  |
| II    | 18  | Anthracene oil, anthracene paste**   | 90640-81-6                             | 0.100  |
| II    | 19  | Anthracene oil, anthracene paste, anthracene fraction**  | 91995-15-2                             | 0.100  |
| II    | 20  | Anthracene oil, anthracene paste, distn. Lights**  | 91995-17-4                             | 0.100  |
| II    | 21  | Anthracene oil, anthracene-low**   | 90640-82-7                             | 0.100  |
| II    | 22  | Diisobutyl phthalate   | 84-69-5                                | 0.100  |
| II    | 23  | Lead chromate*   | 7758-97-6                              | 0.010  |
| II    | 24  | Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*   | 12656-85-8                             | 0.010  |
| II    | 25  | Lead sulfochromate yellow (C.I. Pigment Yellow 34)*  | 1344-37-2                              | 0.010  |
| II    | 26  | Pitch, coal tar, high temp. **   | 65996-93-2                             | 0.100  |
| II    | 27  | Tris(2-chloroethyl)phosphate   | 115-96-8                               | 0.100  |
| II    | 28  | Acrylamide   | 79-06-1                                | 0.100  |
| III   | 29  | Ammonium dichromate*   | 7789-09-5                              | 0.010  |
| III   | 30  | Boric acid*  | -                                      | 0.010  |
| III   | 31  | Disodium tetraborate, anhydrous*   | 12179-04-3<br>/1303-96-4<br>/1330-43-4 | 0.010  |
| III   | 32  | Potassium chromate*  | 7789-00-6                              | 0.010  |
| III   | 33  | Potassium dichromate*  | 7778-50-9                              | 0.010  |
| III   | 34  | Sodium chromate*   | 7775-11-3                              | 0.010  |
| III   | 35  | Tetraboron disodium heptaoxide, hydrate*   | 12267-73-1                             | 0.010  |



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**Test Report  
(SVHC)**

No.: CANEC24026850002

Date: Mar 04, 2025

Page 14 of 28

| Batch | No. | Substance Name   | CAS No.                | RL (%) |
|-------|-----|--|------------------------|--------|
| III   | 36  | Trichloroethylene  | 79-01-6                | 0.100  |
| IV    | 37  | 2-Ethoxyethanol  | 110-80-5               | 0.100  |
| 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  | 302-01-2<br>/7803-57-8 | 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  |
| 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]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)§ | 2580-56-5              | 0.100  |



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**Test Report  
(SVHC)**

No.: CANEC24026850002

Date: Mar 04, 2025

Page 15 of 28

| Batch | No. | Substance Name   | CAS No.     | RL (%) |
|-------|-----|--|-------------|--------|
| 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  |
| 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  |
| 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-m-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  | Decabromodiphenyl 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  |



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**Test Report  
(SVHC)**

No.: CANEC24026850002

Date: Mar 04, 2025

Page 16 of 28

| Batch | No. | Substance Name   | CAS No.     | RL (%) |
|-------|-----|--|-------------|--------|
| 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 | Henicosfluoroundecanoic acid   | 2058-94-8   | 0.100  |
| VIII  | 111 | Heptacosfluorotetradecanoic acid   | 376-06-7    | 0.100  |
| VIII  | 112 | Hexahydromethylphthalic anhydride,<br>Hexahydro-4-methylphthalic anhydride,<br>Hexahydro-1-methylphthalic anhydride,<br>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 | o-Toluidine  | 95-53-4     | 0.100  |
| VIII  | 128 | Pentacosfluorotridecanoic 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  |
| 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 | Tricosfluorododecanoic 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  |



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# Test Report (SVHC)

No.: CANEC24026850002

Date: Mar 04, 2025

Page 17 of 28

| Batch | No. | Substance Name   | CAS No.                   | RL (%) |
|-------|-----|--|---------------------------|--------|
| IX    | 143 | Dipentyl phthalate (DPP)   | 131-18-0                  | 0.100  |
| IX    | 144 | Pentadecafluorooctanoic acid (PFOA)  | 335-67-1                  | 0.100  |
| X     | 145 | Cadmium sulphide*  | 1306-23-6                 | 0.010  |
| X     | 146 | Dihexyl phthalate  | 84-75-3                   | 0.100  |
| 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  |
| 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  |
| X     | 149 | Imidazolidine-2-thione; (2-imidazoline-2-thiol)  | 96-45-7                   | 0.100  |
| X     | 150 | Lead di(acetate)*  | 301-04-2                  | 0.010  |
| X     | 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<br>/31119-53-6 | 0.010  |
| 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  |
| 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  |
| 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  |



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**Test Report  
(SVHC)**

No.: CANEC24026850002

Date: Mar 04, 2025

Page 18 of 28

| Batch | No. | Substance Name   | CAS No.    | RL (%) |
|-------|-----|--|------------|--------|
| 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[12.2.1.16,9.02,13.05,10]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 ≥0.1% w/w 4-heptylphenol, branched and linear]                               | -          | 0.100  |
| 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 | Dodecamethylcyclotetrasiloxane (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  |
| XX    | 193 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane  | 6807-17-6  | 0.100  |
| XX    | 194 | Benzo[k]fluoranthene   | 207-08-9   | 0.100  |
| XX    | 195 | Fluoranthene   | 206-44-0   | 0.100  |
| XX    | 196 | Phenanthrene   | 85-01-8    | 0.100  |
| XX    | 197 | Pyrene   | 129-00-0   | 0.100  |
| XXI   | 198 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts  | -          | 0.100  |



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**Test Report  
(SVHC)**

No.: CANEC24026850002

Date: Mar 04, 2025

Page 19 of 28

| Batch | No. | Substance Name   | CAS No.     | RL (%) |
|-------|-----|--|-------------|--------|
|       |     | and its acyl halides (covering any of their individual isomers and combinations thereof)   |             |        |
| XXI   | 199 | 2-methoxyethyl acetate   | 110-49-6    | 0.100  |
| XXI   | 200 | 4-tert-butylphenol (PTBP)  | 98-54-4     | 0.100  |
| 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  |
| 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 | Diocetyl tin 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)propane-1,3-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  |
| 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-   | -           | 0.100  |



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**Test Report  
(SVHC)**

No.: CANEC24026850002

Date: Mar 04, 2025

Page 20 of 28

| Batch  | No. | Substance Name   | CAS No.      | RL (%) |
|--------|-----|--|--------------|--------|
|        |     | 2-one covering any of the individual isomers and/or combinations thereof (4-MBC)   |              |        |
| 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  |
| XXVIII | 225 | 1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]   | 37853-59-1   | 0.100  |
| XXVIII | 226 | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol   | 79-94-7      | 0.100  |
| XXVIII | 227 | 4,4'-sulphonyldiphenol   | 80-09-1      | 0.100  |
| 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   | -            | 0.100  |
| XXVIII | 230 | Isobutyl 4-hydroxybenzoate   | 4247-02-3    | 0.100  |
| XXVIII | 231 | Melamine   | 108-78-1     | 0.100  |
| XXVIII | 232 | Perfluoroheptanoic acid and its salts  | -            | 0.100  |
| XXVIII | 233 | reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine* | -            | 0.060  |
| XXIX   | 234 | Bis(4-chlorophenyl) sulphone   | 80-07-9      | 0.100  |
| XXIX   | 235 | Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide  | 75980-60-8   | 0.100  |
| XXX    | 236 | 2,4,6-tri-tert-butylphenol   | 732-26-3     | 0.100  |
| XXX    | 237 | 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)   | 3147-75-9    | 0.100  |
| XXX    | 238 | 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one   | 119344-86-4  | 0.100  |
| XXX    | 239 | Bumetrizole (UV-326)   | 3896-11-5    | 0.100  |
| XXX    | 240 | Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol   | -            | 0.100  |
| XXXI   | 241 | Bis(α,α-dimethylbenzyl) peroxide   | 80-43-3      | 0.100  |
| XXXI   | 242 | Triphenyl phosphate  | 115-86-6     | 0.100  |
| XXXII  | 243 | 6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid  | 2156592-54-8 | 0.100  |
| XXXII  | 244 | O,O,O-triphenyl phosphorothioate   | 597-82-0     | 0.100  |
| XXXII  | 245 | Octamethyltrisiloxane  | 107-51-7     | 0.100  |
| XXXII  | 246 | Perfluamine  | 338-83-0     | 0.100  |
| XXXII  | 247 | Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives   | 192268-65-8  | 0.100  |
| /      | 248 | Resorcinol   | 108-46-3     | 0.100  |



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**Test Report  
(SVHC)**

**No.:** CANEC24026850002

**Date:** Mar 04, 2025

Page 21 of 28

| Batch | No. | Substance Name   | CAS No.    | RL (%) |
|-------|-----|--|------------|--------|
| /     | 249 | 1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane | 17928-28-8 | 0.100  |
| /     | 250 | Decamethyltetrasiloxane                                      | 141-62-8   | 0.100  |
| /     | 251 | Dodecamethylpentasiloxane                                    | 141-63-9   | 0.100  |
| /     | 252 | Hexamethyldisiloxane   | 107-46-0   | 0.100  |



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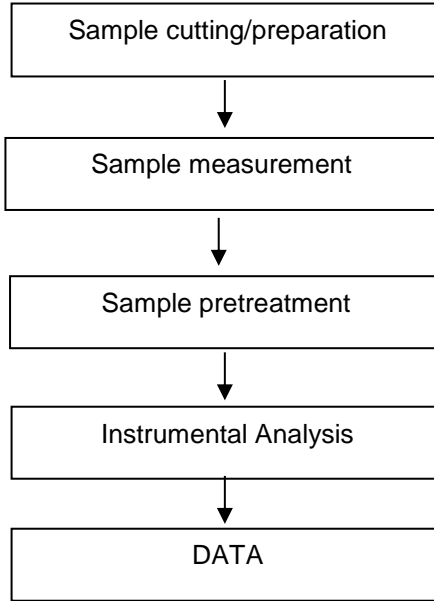
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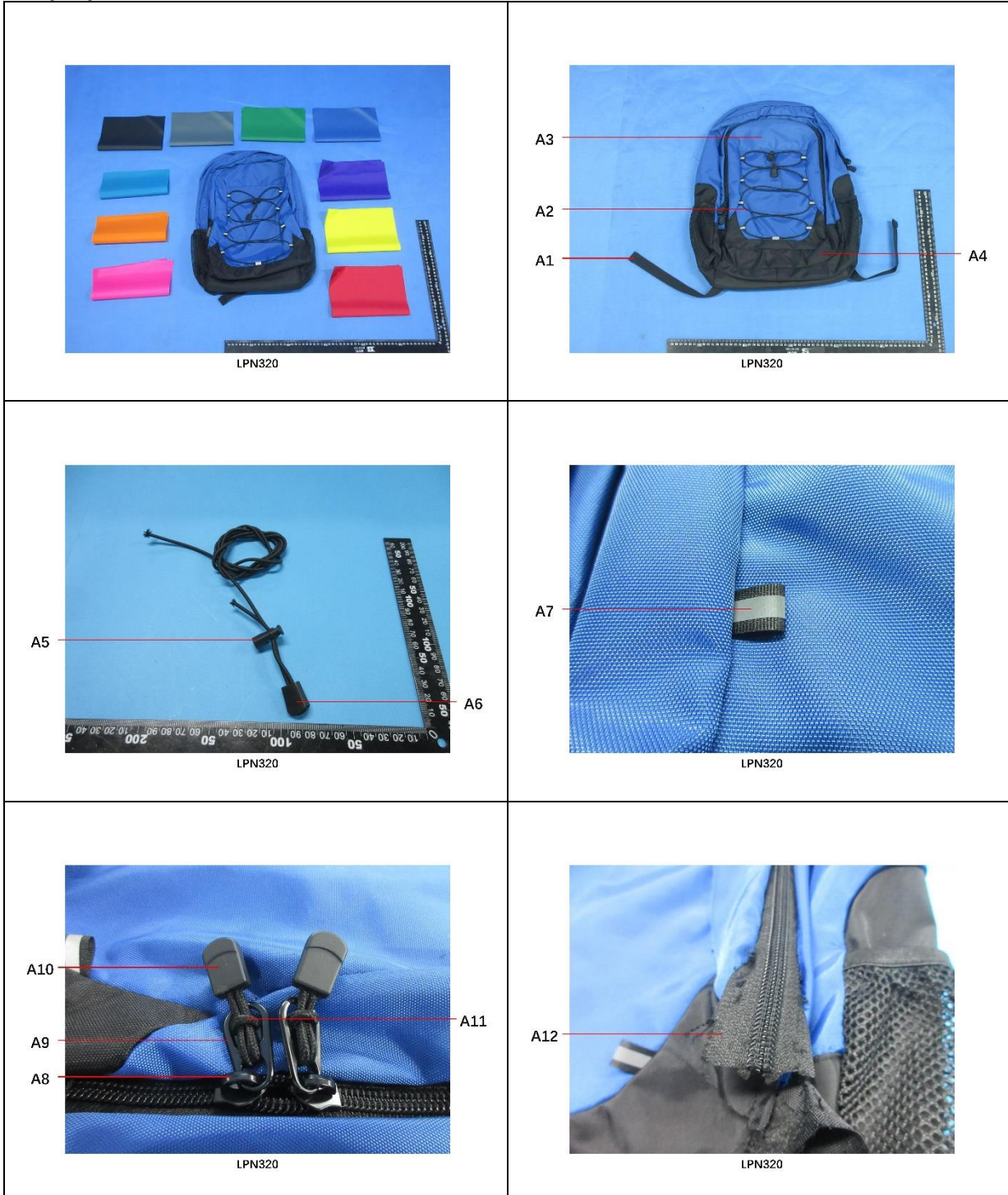
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### Testing Flow Chart



**Sample photos:**

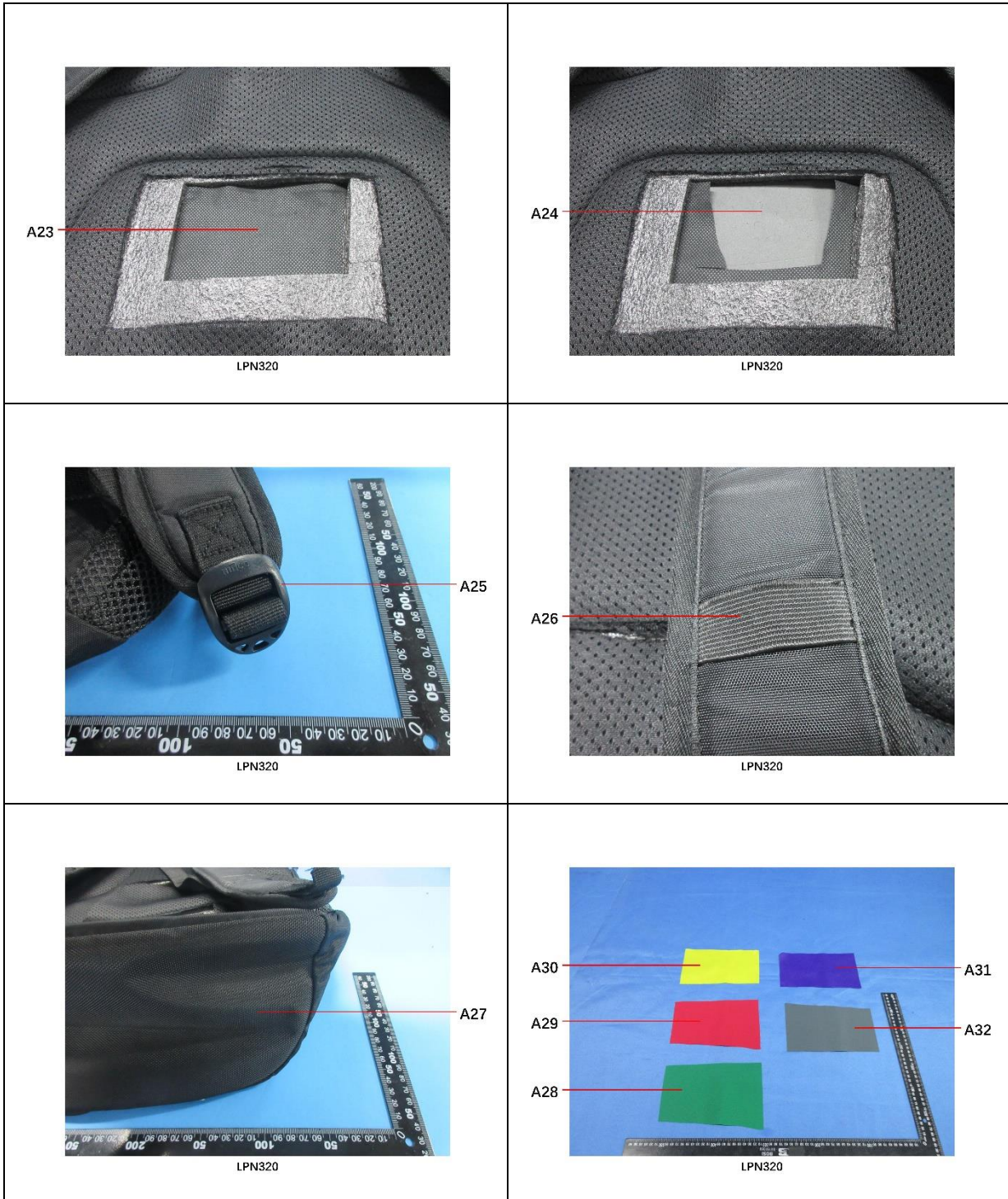


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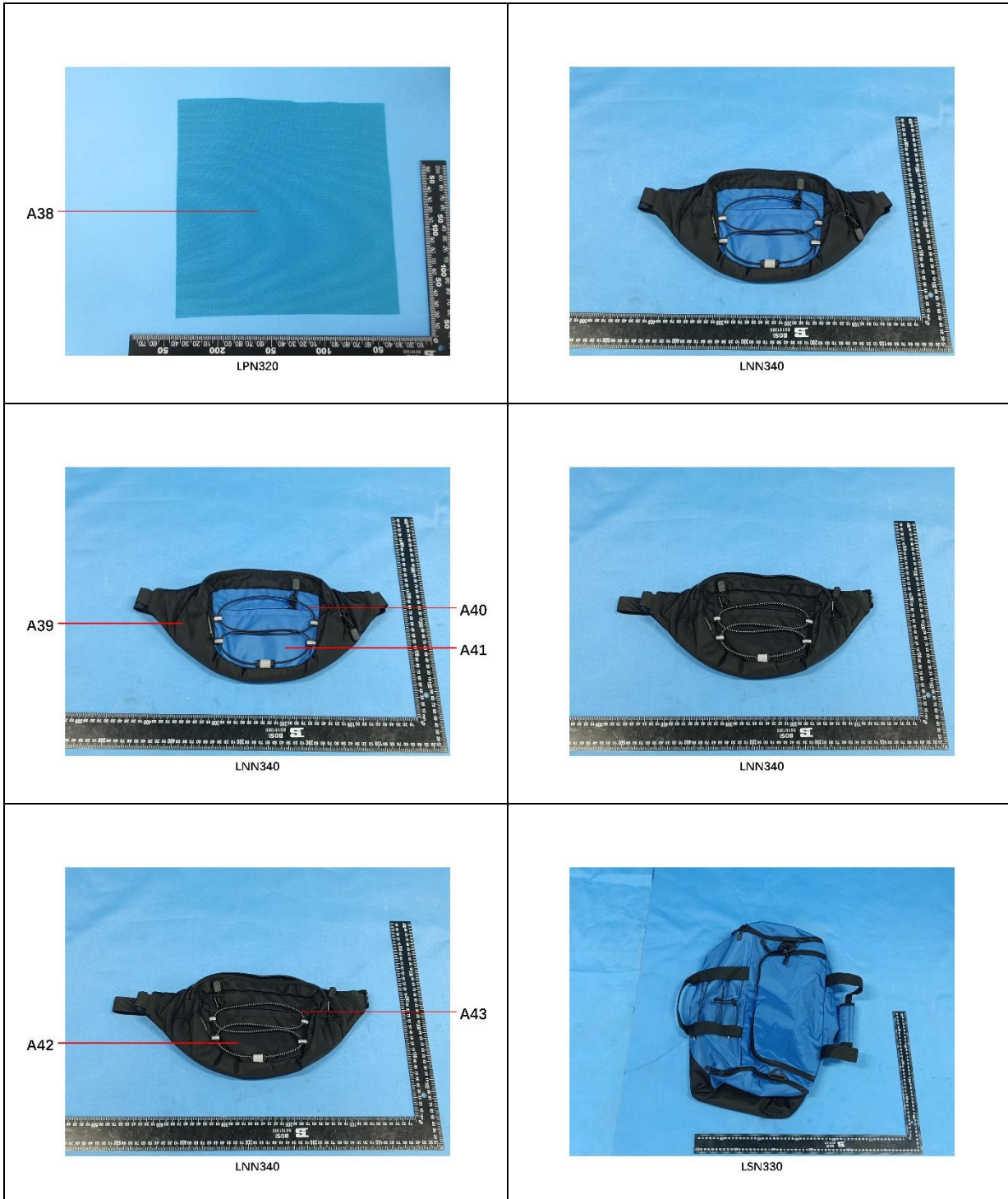
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