

# TEST REPORT

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>APPLICANT</u></b>                | : Yieh Corporation Limited.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b><u>ADDRESS</u></b>                  | : Room 503 Zhongda Square No.989 Dongfang Road, Shanghai, China.                                                                                                                                                                                                                                                                                                                                                                                          |
| <b><u>SAMPLE DESCRIPTION</u></b>       | : Aluminium flat rolled & extruded products                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b><u>ITEM NO.</u></b>                 | : EN AW-6060                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b><u>SAMPLE RECEIVED DATE</u></b>     | : 20-Jun-2018                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b><u>FURTHER INFORMATION DATE</u></b> | : 02-Jul-2018                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b><u>TURN AROUND TIME</u></b>         | : 20-Jun-2018 to 02-Jul -2018                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b><u>TEST REQUESTED</u></b>           | : According to European Commission Regulation EC (No)1907/2006 (REACH), to test the content of substances which have been incorporated into Candidate List of Substances of Very High Concern for Authorisation till Jan 15, 2018 , as well as Commission implementing decision (EU) 2018/594 and Commission implementing decision (EU) 2018/636<br><a href="https://echa.europa.eu/candidate-list-table">https://echa.europa.eu/candidate-list-table</a> |
| <b><u>TEST METHOD</u></b>              | : In-house method with reference to EPA 3052, EPA 6010C, IEC 62321                                                                                                                                                                                                                                                                                                                                                                                        |
| <b><u>TEST RESULT</u></b>              | : Refer to next page(s)                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b><u>CONCLUSION</u></b>               | : According to the specified scope and analytical techniques, concentrations of the substances are less than 0.1% in submitted sample.                                                                                                                                                                                                                                                                                                                    |

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

*Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to [hz.info@eurofins.com](mailto:hz.info@eurofins.com) and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Shanghai) Co., Ltd. If you happen to have any complaints, please do it by sending email to [chinacomplaint@eurofins.com](mailto:chinacomplaint@eurofins.com) and referring to this report number.*

**Remark :**

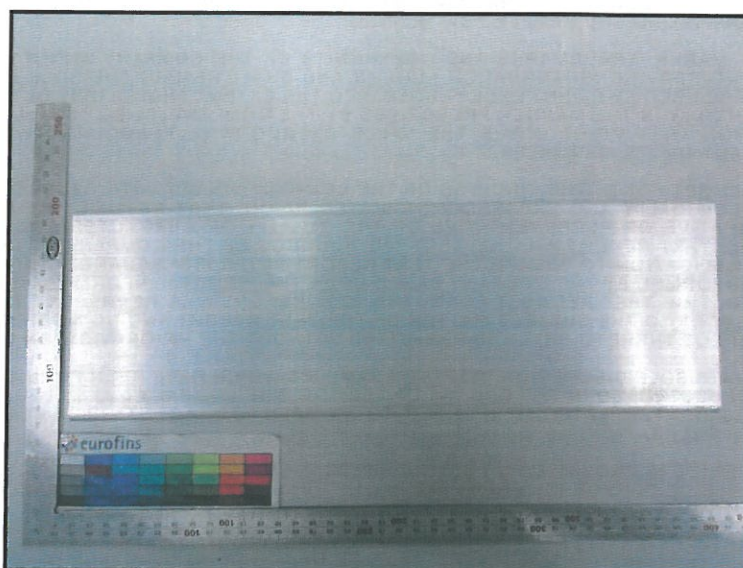
- (1) The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the list published by ECHA as well as Commission implementing decision (EU) 2018/594 and Commission implementing decision (EU) 2018/636.  
<https://echa.europa.eu/candidate-list-table>
- (2) The interpretation to the definition of articles is referred from ECHA Guidance on requirements for substances in articles Version 2.0.
- (3) 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).
- (4) EU or EEA suppliers of articles which contain substances on the Candidate List in a concentration above 0.1% (w/w) have to provide sufficient information to allow safe use of the article to their customers or upon request, to a consumer within 45 days of the receipt of the request. This information must contain as a minimum the name of the substance.
- (5) If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

**Eurofins (Hangzhou) contact information****Customer service:** [LucyZhao@eurofins.com](mailto:LucyZhao@eurofins.com) / 0571-87203726**Sales specialist:** [SammyXie@eurofins.com](mailto:SammyXie@eurofins.com) / 18221703094

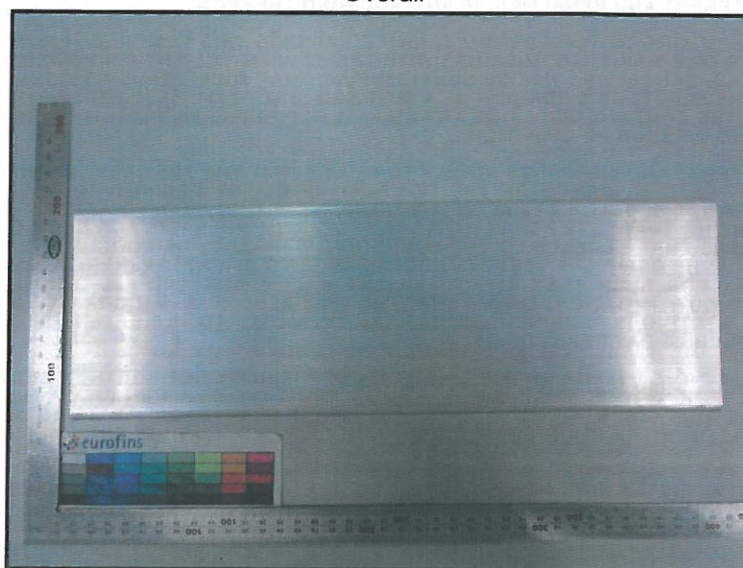
\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*

Signed for and on behalf of  
Eurofins Product Testing Service (Shanghai) Co., Ltd Hangzhou Branch  
Sara Liu  
Quality Supervisor

**SAMPLE PHOTO**



Overall



Metal

**EFHZ18061439-CG**

\*\*\*TO BE CONTINUED\*\*\*



## TEST RESULT

| Seq. | Test Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CAS No.    | MDL (%) | Result (% (w/w))   |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|--------------------|
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |         | per TESTED PRODUCT |
| 1    | 2,4-Dinitrotoluene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 121-14-2   | 0.01    | NA                 |
| 2    | 2-Ethoxyethanol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 110-80-5   | 0.01    | NA                 |
| 3    | 2-Methoxyethanol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 109-86-4   | 0.01    | NA                 |
| 4    | 4,4'- Diaminodiphenylmethane(MDA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 101-77-9   | 0.01    | NA                 |
| 5    | 5-tert-butyl-2,4,6-trinitro-m-xylene(musk xylene)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 81-15-2    | 0.01    | NA                 |
| 6    | Acrylamide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 79-06-1    | 0.01    | NA                 |
| 7    | Alkanes, C <sub>10-13</sub> , chloro (Short Chain Chlorinated Paraffins)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 85535-84-8 | 0.01    | NA                 |
| 8    | <p>Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the two following conditions:</p> <p>a) Al<sub>2</sub>O<sub>3</sub> and SiO<sub>2</sub> are present within the following concentration ranges:<br/>Al<sub>2</sub>O<sub>3</sub>: 43.5 – 47 % w/w, and SiO<sub>2</sub>: 49.5 – 53.5 % w/w, or Al<sub>2</sub>O<sub>3</sub>: 45.5 – 50.5 % w/w, and SiO<sub>2</sub>: 48.5 – 54 % w/w,</p> <p>b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm)***</p> | ---        | 0.01    | ND                 |
| 9    | Ammonium dichromate*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 7789-09-5  | 0.01    | ND                 |
| 10   | Anthracene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 120-12-7   | 0.01    | NA                 |
| 11   | Anthracene oil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 90640-80-5 | 0.01    | NA                 |
| 12   | Anthracene oil, anthracene paste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 90640-81-6 | 0.01    | NA                 |
| 13   | Anthracene oil, anthracene paste, anthracene fraction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 91995-15-2 | 0.01    | NA                 |
| 14   | Anthracene oil, anthracene paste; distn. Lights                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 91995-17-4 | 0.01    | NA                 |
| 15   | Anthracene oil, anthracene-low                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 90640-82-7 | 0.01    | NA                 |

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

| Seq. | Test Item(s)                                                                                                                                                            | CAS No.                                                                    | MDL (%) | Result (% (w/w))   |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------|--------------------|
|      |                                                                                                                                                                         |                                                                            |         | per TESTED PRODUCT |
| 16   | Benzyl butyl phthalate(BBP)                                                                                                                                             | 85-68-7                                                                    | 0.01    | NA                 |
| 17   | Bis(2-ethylhexyl)phthalate(DEHP)                                                                                                                                        | 117-81-7                                                                   | 0.01    | NA                 |
| 18   | Bis(tributyltin)oxide(TBTO)**                                                                                                                                           | 56-35-9                                                                    | 0.01    | NA                 |
| 19   | Boric acid*                                                                                                                                                             | 10043-35-3 /<br>11113-50-1                                                 | 0.01    | ND                 |
| 20   | Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*                                                                                             | 7738-94-5<br>-<br>13530-68-2                                               | 0.01    | ND                 |
| 21   | Chromium trioxide*                                                                                                                                                      | 1333-82-0                                                                  | 0.01    | ND                 |
| 22   | Cobalt dichloride*                                                                                                                                                      | 7646-79-9                                                                  | 0.01    | ND                 |
| 23   | Cobalt(II) carbonate*                                                                                                                                                   | 513-79-1                                                                   | 0.01    | ND                 |
| 24   | Cobalt(II) diacetate*                                                                                                                                                   | 71-48-7                                                                    | 0.01    | ND                 |
| 25   | Cobalt(II) dinitrate*                                                                                                                                                   | 10141-05-6                                                                 | 0.01    | ND                 |
| 26   | Cobalt(II) sulphate*                                                                                                                                                    | 10124-43-3                                                                 | 0.01    | ND                 |
| 27   | Diarsenic pentaoxide*                                                                                                                                                   | 1303-28-2                                                                  | 0.01    | ND                 |
| 28   | Diarsenic trioxide*                                                                                                                                                     | 1327-53-3                                                                  | 0.01    | ND                 |
| 29   | Dibutyl Phthalate(DBP)                                                                                                                                                  | 84-74-2                                                                    | 0.01    | NA                 |
| 30   | Diisobutyl Phthalate(DIBP)                                                                                                                                              | 84-69-5                                                                    | 0.01    | NA                 |
| 31   | Disodium tetraborate, anhydrous*                                                                                                                                        | 1303-96-4/<br>1330-43-4/<br>12179-04-3                                     | 0.01    | ND                 |
| 32   | Hexabromocyclododecane(HBCDD) and all major diastereoisomers identified:<br>Alpha-hexabromocyclododecane<br>Beta-hexabromocyclododecane<br>Gamma-hexabromocyclododecane | 25637-99-4<br>3194-55-6<br>(134237-50-6)<br>(134237-51-7)<br>(134237-52-8) | 0.01    | NA                 |
| 33   | Lead chromate*                                                                                                                                                          | 7758-97-6                                                                  | 0.01    | ND                 |
| 34   | Lead chromate molybdate sulfate red (C.I. Pigment Red 104)*                                                                                                             | 12656-85-8                                                                 | 0.01    | ND                 |
| 35   | Lead hydrogen arsenate*                                                                                                                                                 | 7784-40-9                                                                  | 0.01    | ND                 |

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

| Seq. | Test Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CAS No.                  | MDL (%) | Result (% (w/w))   |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------|--------------------|
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |         | per TESTED PRODUCT |
| 36   | Lead sulfochromate yellow (C.I. Pigment Yellow 34)*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1344-37-2                | 0.01    | ND                 |
| 37   | Coal tar pitch, high temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 65996-93-2               | 0.01    | NA                 |
| 38   | Potassium chromate*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7789-00-6                | 0.01    | ND                 |
| 39   | Potassium dichromate*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 7778-50-9                | 0.01    | ND                 |
| 40   | Sodium chromate*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7775-11-3                | 0.01    | ND                 |
| 41   | Sodium dichromate*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7789-12-0/<br>10588-01-9 | 0.01    | ND                 |
| 42   | Tetraboron disodium heptaoxide, hydrate*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 12267-73-1               | 0.01    | ND                 |
| 43   | Trichloroethylene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 79-01-6                  | 0.01    | NA                 |
| 44   | Triethyl arsenate*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 15606-95-8               | 0.01    | ND                 |
| 45   | Tris(2-chloroethyl)phosphate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 115-96-8                 | 0.01    | NA                 |
| 46   | Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the two following conditions:<br>a) Al <sub>2</sub> O <sub>3</sub> , SiO <sub>2</sub> and ZrO <sub>2</sub> are present within the following concentration ranges:<br>Al <sub>2</sub> O <sub>3</sub> : 35 – 36 % w/w, and<br>SiO <sub>2</sub> : 47.5 – 50 % w/w, and<br>ZrO <sub>2</sub> : 15 - 17 % w/w,<br>b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm)*** | ---                      | 0.01    | ND                 |
| 47   | 2-ethoxyethyl acetate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 111-15-9                 | 0.01    | NA                 |
| 48   | Strontium chromate*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7789-06-2                | 0.01    | ND                 |
| 49   | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 68515-42-4               | 0.01    | NA                 |
| 50   | Hydrazine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 7303-57-8<br>302-01-2    | 0.01    | NA                 |

\*\*\*TO BE CONTINUED\*\*\*



## TEST RESULT

| Seq. | Test Item(s)                                                         | CAS No.    | MDL (%) | Result (% (w/w))   |
|------|----------------------------------------------------------------------|------------|---------|--------------------|
|      |                                                                      |            |         | per TESTED PRODUCT |
| 51   | 1-methyl-2-pyrrolidone                                               | 872-50-4   | 0.01    | NA                 |
| 52   | 1,2,3-trichloropropane                                               | 96-18-4    | 0.01    | NA                 |
| 53   | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich | 71888-89-6 | 0.01    | NA                 |
| 54   | Lead dipicrate*                                                      | 6477-64-1  | 0.01    | ND                 |
| 55   | Lead styphnate*                                                      | 15245-44-0 | 0.01    | ND                 |
| 56   | Lead azide Lead diazide*                                             | 13424-46-9 | 0.01    | ND                 |
| 57   | Phenolphthalein                                                      | 77-09-8    | 0.01    | NA                 |
| 58   | 2,2'-dichloro-4,4'-methylenedianiline                                | 101-14-4   | 0.01    | NA                 |
| 59   | N,N-dimethylacetamide                                                | 127-19-5   | 0.01    | NA                 |
| 60   | Trilead diarsenate*                                                  | 3687-31-8  | 0.01    | ND                 |
| 61   | Calcium arsenate*                                                    | 7778-44-1  | 0.01    | ND                 |
| 62   | Arsenic acid*                                                        | 7778-39-4  | 0.01    | ND                 |
| 63   | Bis(2-methoxyethyl) ether                                            | 111-96-6   | 0.01    | NA                 |
| 64   | 1,2-Dichloroethane                                                   | 107-06-2   | 0.01    | NA                 |
| 65   | 4-(1,1,3,3-tetramethylbutyl)phenol                                   | 140-66-9   | 0.01    | NA                 |
| 66   | 2-Methoxyaniline; o-Anisidine                                        | 90-04-0    | 0.01    | NA                 |
| 67   | Bis(2-methoxyethyl) phthalate                                        | 117-82-8   | 0.01    | NA                 |
| 68   | Formaldehyde, oligomeric reaction products with aniline              | 25214-70-4 | 0.01    | NA                 |
| 69   | Pentazinc chromate octahydroxide*                                    | 49663-84-5 | 0.01    | ND                 |
| 70   | Potassium hydroxyoctaoxodizincatedi-chromate*                        | 11103-86-9 | 0.01    | ND                 |
| 71   | Dichromium tris(chromate)*                                           | 24613-89-6 | 0.01    | ND                 |
| 72   | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)                    | 112-49-2   | 0.01    | NA                 |
| 73   | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)          | 110-71-4   | 0.01    | NA                 |
| 74   | Diboron trioxide*                                                    | 1303-86-2  | 0.01    | ND                 |
| 75   | Formamide                                                            | 75-12-7    | 0.01    | NA                 |

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

| Seq. | Test Item(s)                                                                                                                                                                                                                                  | CAS No.    | MDL (%) | Result (% (w/w))   |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|--------------------|
|      |                                                                                                                                                                                                                                               |            |         | per TESTED PRODUCT |
| 76   | Lead(II) bis(methanesulfonate) *                                                                                                                                                                                                              | 17570-76-2 | 0.01    | ND                 |
| 77   | TGIC<br>(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)                                                                                                                                                                    | 2451-62-9  | 0.01    | NA                 |
| 78   | $\beta$ -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 | 0.01    | NA                 |
| 79   | 4,4'-bis(dimethylamino) benzophenone (Michler's ketone)                                                                                                                                                                                       | 90-94-8    | 0.01    | NA                 |
| 80   | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)                                                                                                                                                                                | 101-61-1   | 0.01    | NA                 |
| 81   | [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with $\geq$ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] ****                  | 548-62-9   | 0.01    | NA                 |
| 82   | [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with $\geq$ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] **** | 2580-56-5  | 0.01    | NA                 |
| 83   | $\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with $\geq$ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] ****                                  | 6786-83-0  | 0.01    | NA                 |
| 84   | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq$ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] ****                                                                                   | 561-41-1   | 0.01    | NA                 |
| 85   | Bis(pentabromophenyl) ether (DecaBDE)                                                                                                                                                                                                         | 1163-19-5  | 0.01    | NA                 |
| 86   | Pentacosafuorotridecanoic acid                                                                                                                                                                                                                | 72629-94-8 | 0.01    | NA                 |
| 87   | Tricosafuorododecanoic acids                                                                                                                                                                                                                  | 307-55-1   | 0.01    | NA                 |
| 88   | Henicosafuoroundecanoic acid                                                                                                                                                                                                                  | 2058-94-8  | 0.01    | NA                 |
| 89   | Heptacosafuorotetradecanoic acid                                                                                                                                                                                                              | 376-06-7   | 0.01    | NA                 |
| 90   | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and UVCB substances, polymers and homologues                                                                                                                | ---        | 0.01    | NA                 |

\*\*\*TO BE CONTINUED\*\*\*



## TEST RESULT

| Seq. | Test Item(s)                                                                                                                                                                                                                                                                      | CAS No.                                                 | MDL (%) | Result (% (w/w))   |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------|--------------------|
|      |                                                                                                                                                                                                                                                                                   |                                                         |         | per TESTED PRODUCT |
| 91   | 4-Nonylphenol, branched and linear -substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof | ---                                                     | 0.01    | NA                 |
| 92   | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))                                                                                                                                                                                                                                 | 123-77-3                                                | 0.01    | NA                 |
| 93   | Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)                                                                                                                                                                                                       | 85-42-7                                                 | 0.01    | NA                 |
| 94   | Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride                                                                                                                               | 25550-51-0,<br>19438-60-9,<br>48122-14-1,<br>57110-29-9 | 0.01    | NA                 |
| 95   | Methoxy acetic acid                                                                                                                                                                                                                                                               | 625-45-6                                                | 0.01    | NA                 |
| 96   | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear                                                                                                                                                                                                                  | 84777-06-0                                              | 0.01    | NA                 |
| 97   | Diisopentylphthalate (DIPP)                                                                                                                                                                                                                                                       | 605-50-5                                                | 0.01    | NA                 |
| 98   | N-pentyl-isopentylphthalate                                                                                                                                                                                                                                                       | 776297-69-9                                             | 0.01    | NA                 |
| 99   | 1,2-Diethoxyethane                                                                                                                                                                                                                                                                | 629-14-1                                                | 0.01    | NA                 |
| 100  | N,N-dimethylformamide; dimethyl formamide                                                                                                                                                                                                                                         | 68-12-2                                                 | 0.01    | NA                 |
| 101  | Dibutyltin dichloride (DBTC)                                                                                                                                                                                                                                                      | 683-18-1                                                | 0.01    | NA                 |
| 102  | Acetic acid, lead salt, basic*                                                                                                                                                                                                                                                    | 51404-69-4                                              | 0.01    | ND                 |
| 103  | Basic lead carbonate (trilead bis(carbonate)dihydroxide)*                                                                                                                                                                                                                         | 1319-46-6                                               | 0.01    | ND                 |
| 104  | Lead oxide sulfate (basic lead sulfate)*                                                                                                                                                                                                                                          | 12036-76-9                                              | 0.01    | ND                 |
| 105  | [Phthalato(2-)]dioxotrilead (dibasic lead phthalate)*                                                                                                                                                                                                                             | 69011-06-9                                              | 0.01    | ND                 |
| 106  | Dioxobis(stearato)trilead*                                                                                                                                                                                                                                                        | 12578-12-0                                              | 0.01    | ND                 |
| 107  | Fatty acids, C16-18, lead salts*                                                                                                                                                                                                                                                  | 91031-62-8                                              | 0.01    | ND                 |
| 108  | Lead bis(tetrafluoroborate)*                                                                                                                                                                                                                                                      | 13814-96-5                                              | 0.01    | ND                 |

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

| Seq. | Test Item(s)                                       | CAS No.     | MDL (%) | Result (% (w/w))   |
|------|----------------------------------------------------|-------------|---------|--------------------|
|      |                                                    |             |         | per TESTED PRODUCT |
| 109  | Lead cyanamate*                                    | 20837-86-9  | 0.01    | ND                 |
| 110  | Lead dinitrate*                                    | 10099-74-8  | 0.01    | ND                 |
| 111  | Lead oxide (lead monoxide)*                        | 1317-36-8   | 0.01    | ND                 |
| 112  | Lead tetroxide (orange lead)*                      | 1314-41-6   | 0.01    | ND                 |
| 113  | Lead titanium trioxide*                            | 12060-00-3  | 0.01    | ND                 |
| 114  | Lead Titanium Zirconium Oxide*                     | 12626-81-2  | 0.01    | ND                 |
| 115  | Pentalead tetraoxide sulphate*                     | 12065-90-6  | 0.01    | ND                 |
| 116  | Pyrochlore, antimony lead yellow                   | 8012-00-8   | 0.01    | ND                 |
| 117  | Silicic acid, barium salt, lead-doped*             | 68784-75-8  | 0.01    | ND                 |
| 118  | Silicic acid, lead salt*                           | 11120-22-2  | 0.01    | ND                 |
| 119  | Sulfurous acid, lead salt, dibasic*                | 62229-08-7  | 0.01    | ND                 |
| 120  | Tetraethyllead*                                    | 78-00-2     | 0.01    | ND                 |
| 121  | Tetralead trioxide sulphate*                       | 12202-17-4  | 0.01    | ND                 |
| 122  | Trilead dioxide phosphonate*                       | 12141-20-7  | 0.01    | ND                 |
| 123  | Furan                                              | 110-00-9    | 0.01    | NA                 |
| 124  | Propylene oxide; 1,2-epoxypropane; methyloxirane   | 75-56-9     | 0.01    | NA                 |
| 125  | Diethyl sulphate                                   | 64-67-5     | 0.01    | NA                 |
| 126  | Dimethyl sulphate                                  | 77-78-1     | 0.01    | NA                 |
| 127  | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 143860-04-2 | 0.01    | NA                 |
| 128  | Dinoseb                                            | 88-85-7     | 0.01    | NA                 |
| 129  | 4,4'-methylenedi-o-toluidine                       | 838-88-0    | 0.01    | NA                 |
| 130  | 4,4'-oxydianiline and its salts                    | 101-80-4    | 0.01    | NA                 |

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

| Seq. | Test Item(s)                                                                                                                                                                                                                                                                                                                        | CAS No.    | MDL (%) | Result (% (w/w))   |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|--------------------|
|      |                                                                                                                                                                                                                                                                                                                                     |            |         | per TESTED PRODUCT |
| 131  | 4-Aminoazobenzene                                                                                                                                                                                                                                                                                                                   | 60-09-3    | 0.01    | NA                 |
| 132  | 4-methyl-m-phenylenediamine (toluene -2,4 -diamine)                                                                                                                                                                                                                                                                                 | 95-80-7    | 0.01    | NA                 |
| 133  | 6-methoxy-m-toluidine (p-cresidine)                                                                                                                                                                                                                                                                                                 | 120-71-8   | 0.01    | NA                 |
| 134  | Biphenyl-4-ylamine                                                                                                                                                                                                                                                                                                                  | 92-67-1    | 0.01    | NA                 |
| 135  | O-aminoazotoluene                                                                                                                                                                                                                                                                                                                   | 97-56-3    | 0.01    | NA                 |
| 136  | O-Toluidine                                                                                                                                                                                                                                                                                                                         | 95-53-4    | 0.01    | NA                 |
| 137  | N-methylacetamide                                                                                                                                                                                                                                                                                                                   | 79-16-3    | 0.01    | NA                 |
| 138  | 1-bromopropane(n-propyl bromide)                                                                                                                                                                                                                                                                                                    | 106-94-5   | 0.01    | NA                 |
| 139  | Cadmium                                                                                                                                                                                                                                                                                                                             | 7440-43-9  | 0.01    | ND                 |
| 140  | Ammonium pentadecafluorooctanoate (APFO)                                                                                                                                                                                                                                                                                            | 3825-26-1  | 0.01    | NA                 |
| 141  | Pentadecafluorooctanoic acid (PFOA)                                                                                                                                                                                                                                                                                                 | 335-67-1   | 0.01    | NA                 |
| 142  | Dipentyl phthalate (DPP)                                                                                                                                                                                                                                                                                                            | 131-18-0   | 0.01    | NA                 |
| 143  | 4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof] | ---        | 0.01    | NA                 |
| 144  | Cadmium oxide*                                                                                                                                                                                                                                                                                                                      | 1306-19-0  | 0.01    | ND                 |
| 145  | Cadmium sulphide*                                                                                                                                                                                                                                                                                                                   | 1306-23-6  | 0.01    | ND                 |
| 146  | 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  | 0.01    | NA                 |
| 147  | Dihexyl phthalate (DHXP)                                                                                                                                                                                                                                                                                                            | 84-75-3    | 0.01    | NA                 |
| 148  | Imidazolidine-2-thione; (2-imidazoline-2-thiol)                                                                                                                                                                                                                                                                                     | 96-45-7    | 0.01    | NA                 |
| 149  | Trixylyl phosphate                                                                                                                                                                                                                                                                                                                  | 25155-23-1 | 0.01    | NA                 |

\*\*\*TO BE CONTINUED\*\*\*



## TEST RESULT

| Seq. | Test Item(s)                                                                                                                                                                                                                                                 | CAS No.                   | MDL (%) | Result (% (w/w))   |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------|--------------------|
|      |                                                                                                                                                                                                                                                              |                           |         | per TESTED PRODUCT |
| 150  | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)                                                                                                                                                   | 573-58-0                  | 0.01    | NA                 |
| 151  | Lead di(acetate)*                                                                                                                                                                                                                                            | 301-04-2                  | 0.01    | ND                 |
| 152  | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear                                                                                                                                                                                             | 68515-50-4                | 0.01    | NA                 |
| 153  | Sodium perborate; perboric acid, sodium salt                                                                                                                                                                                                                 | -                         | 0.01    | ND                 |
| 154  | Sodium peroxometaborate                                                                                                                                                                                                                                      | 7632-04-4                 | 0.01    | ND                 |
| 155  | Cadmium chloride*                                                                                                                                                                                                                                            | 10108-64-2                | 0.01    | ND                 |
| 156  | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)                                                                                                                                                                                                         | 3846-71-7                 | 0.01    | NA                 |
| 157  | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)                                                                                                                                                                                                     | 25973-55-1                | 0.01    | NA                 |
| 158  | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)                                                                                                                                                                       | 15571-58-1                | 0.01    | NA                 |
| 159  | reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 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 and MOTE) | -                         | 0.01    | NA                 |
| 160  | Cadmium fluoride*                                                                                                                                                                                                                                            | 7790-79-6                 | 0.01    | ND                 |
| 161  | Cadmium sulphate*                                                                                                                                                                                                                                            | 10124-36-4,3<br>1119-53-6 | 0.01    | ND                 |
| 162  | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters;<br>1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)                                                                           | 68515-51-5,<br>68648-93-1 | 0.01    | NA                 |
| 163  | 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1],<br>5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]                 | -                         | 0.01    | NA                 |
| 164  | 1,3-propanesultone                                                                                                                                                                                                                                           | 1120-71-4                 | 0.01    | NA                 |
| 165  | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)                                                                                                                                                                                               | 3864-99-1                 | 0.01    | NA                 |

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

| Seq. | Test Item(s)                                                                                                                                                                                             | CAS No.                             | MDL (%) | Result (% (w/w))   |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------|--------------------|
|      |                                                                                                                                                                                                          |                                     |         | per TESTED PRODUCT |
| 166  | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)                                                                                                                                     | 36437-37-3                          | 0.01    | NA                 |
| 167  | Nitrobenzene                                                                                                                                                                                             | 98-95-3                             | 0.01    | NA                 |
| 168  | Perfluorononan-1-oic-acid and its sodium and ammonium salts                                                                                                                                              | 375-95-1<br>21049-39-8<br>4149-60-4 | 0.01    | NA                 |
| 169  | Benzo[def]chrysene (Benzo[a]pyrene)                                                                                                                                                                      | 50-32-8                             | 0.01    | NA                 |
| 170  | 4,4'-isopropylidenediphenol (bisphenol A)                                                                                                                                                                | 80-05-7                             | 0.01    | NA                 |
| 171  | nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts                                                                                                                                     | 335-76-2<br>3830-45-3<br>3108-42-7  | 0.01    | NA                 |
| 172  | p-(1,1-dimethylpropyl) phenol                                                                                                                                                                            | 80-46-6                             | 0.01    | NA                 |
| 173  | 4-heptylphenol, branched and linear (4-HPbl)                                                                                                                                                             | -                                   | 0.01    | NA                 |
| 174  | Perfluorohexane-1-sulfonic acid and its salts (PFHxS)                                                                                                                                                    | -                                   | 0.01    | NA                 |
| 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] | -                                   | 0.01    | NA                 |
| 176  | Benz[a]anthracene                                                                                                                                                                                        | 56-55-3,<br>1718-53-2               | 0.01    | NA                 |
| 177  | Cadmium nitrate*                                                                                                                                                                                         | 10022-68-11,<br>0325-94-7           | 0.01    | ND                 |
| 178  | Cadmium carbonate*                                                                                                                                                                                       | 513-78-0                            | 0.01    | ND                 |
| 179  | Cadmium hydroxide*                                                                                                                                                                                       | 21041-95-2                          | 0.01    | ND                 |
| 180  | Chrysene                                                                                                                                                                                                 | 218-01-9,<br>1719-03-5              | 0.01    | NA                 |
| 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]                               | -                                   | 0.01    | NA                 |
| 182  | Dicyclohexyl phthalate (DCHP)                                                                                                                                                                            | 84-61-7                             | 0.01    | NA                 |
| 183  | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)                                                                                                                             | 552-30-7                            | 0.01    | NA                 |

\*\*\*TO BE CONTINUED\*\*\*



## TEST RESULT

- Remark**
- 1)\*** Calculated concentration of cobalt dichloride, cobalt(II) sulphate, cobalt(II) dinitrate, cobalt(II) carbonate and cobalt(II) diacetate is based on the identified heavy metal and anion result. Calculated concentration of diarsenic pentoxide, diarsenic trioxide, chromium trioxide, sodium dichromate, dehydrate, lead hydrogen arsenate, triethyl arsenate, lead chromate, sodium chromate, strontium chromate, potassium chromate, ammonium dichromate, potassium dichromate, lead chromate molybdate sulfate red, lead sulfochromate yellow and acids generated from chromium trioxide and their oligomers, Lead dipicrate, Lead styphnate, Lead azide, Lead diazide, Trilead diarsenate, Lead di(acetate), Cadmium oxide, Cadmium chloride, Cadmium sulphide, Cadmium fluoride, Cadmium sulphate, Calcium arsenate, Arsenic acid, Potassium hydroxyoctaoxidizincatedi-chromate, Dichromium tris(chromate), Pentazinc chromate octahydroxide, Lead(II) bis(methanesulfonate), Diboron trioxide, Acetic acid, lead salt, basic, Basic lead carbonate (trilead bis(carbonate)dihydroxide), Lead oxide sulfate (basic lead sulfate), [Phthalato(2-)]dioxotrilead (dibasic lead phthalate), Dioxobis(stearato)trilead, Fatty acids C16-18, lead salts, Lead bis(tetrafluoroborate), Lead cyanidate, Lead dinitrate, Lead oxide (lead monoxide), Lead tetroxide (orange lead), Lead titanium trioxide, Lead Titanium Zirconium Oxide, Pentalead tetraoxide sulphate, Silicic acid, barium salt, lead-doped, Sulfurous acid, lead salt, dibasic, Tetraethyllead, Tetralead trioxide sulphate, Trilead dioxide phosphonate, Cadmium nitrate, Cadmium carbonate, Cadmium hydroxide are based on the identified heavy metal result, boric acid, disodium tetraborate, anhydrous and tetraboron disodium heptaoxide, Sodium peroxometaborate Sodium perborate; perboric acid, sodium salt are based on the identified result of boron and sodium result. The identities of above metal substances present in the article have to be further confirmed;
- 2)\*\*** Concentration of bis(tributyltin)oxide, TBTO is reported as tributyltin, TBT. The result is a screening test of TBTO and can cover TBTO and other salts under current technologies. Further investigation is needed to have the exact amount of TBTO;
- 3)\*\*\*** Calculated concentration of Aluminosilicate, Refractory Ceramic Fibres ;Zirconia Aluminosilicate, Refractory Ceramic Fibres is based on the identified heavy metal result and confirmation by microscope;
- 4) \*\*\*\***The substance does only fulfil the criteria of REACH Art. 57 (a) if it contains Michler's ketone (EC Number: 202-027-5) or Michler's base (EC Number: 202-959-2) in a concentration  $\geq 0.1\%$  (weight / weight);
- 5)** ND = not detected, less than MDL; NA=not applicable.

\*\*\* END OF THE REPORT \*\*\*