

## TEST REPORT

Report No. : GR:HL:5480029398

DATE : 22<sup>nd</sup> November, 2014



J.K. ENTERPRISES.....  
4 BIRLA SHOPPING CENTER, OPP. NASIK ROAD COLLEGE, NASIK ROAD  
422101  
INDIA  
CONTACT PERSON : MR.SANJAY SAHNI



THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

|                       |   |
|-----------------------|---|
| SAMPLE DESCRIPTION    | GRAPAGE GRAPE GUARD SHEET   |
| STYLE NO.             | 23.5 X 32-5GM,,35 X 47 - 6.5GM, 23.5 X 45-7GM,,35 X 40-8.5GM AND 35 X 47-10GM |
| COUNTRY OF ORIGIN     | INDIA   |
| SAMPLE RECEIVING DATE | 03/11/2014  |
| TEST PERFORMING DATE  | 04/11/2014 TO 22/11/2014  |

**Test Requested**

- 155 Substances of Very High Concern (SVHC) screening. SVHC candidate list based on the Publication by European Chemicals Agency (ECHA) on 2014 June 16, regarding Regulation (EC) No 1907/2006 concerning the REACH.

- Bisphenol A (BPA) Content

**Test result**

- Please refer to next page(s).
- See Results

**Test Method**

Please refer to next page(s).

**Test Summary:**

According to the interpretation of ECHA and the majority of EU member states on the definition of an article as well as the specified scope and analytical technique, concentrations of all SVHC are <0.1% in the submitted sample(s).

Per Pro SGS India Pvt. Ltd.

**N.C.Manna**  
**Asst. Manager**

Email your Test Report Related Enquiries at [Feedback.HLT@sgs.com](mailto:Feedback.HLT@sgs.com)



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**Test Sample :** Grapage Grape Guard Sheet .

**Test Method :** SGS In-House method-RSTS-EE-SVHC-007. Analyzed by ICP-AES, UV-VIS, GC/MS, LC/MS, GC/FPD, LC/MS/DAD.

**Remark:**

1. The chemical analysis of 155 SVHC is performed by means of currently available analytical techniques against the list published by ECHA on 2014 June 16.  
Refer to: <http://echa.europa.eu/web/guest/candidate-list-table>
2. In accordance with Regulation (EC) No 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 2 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 is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance is present in those articles above a concentration of 0.1% weight by weight (w/w).
3. 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.
4. If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

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**Test Result :**

| Substance Name  | Concentration of Article (%) | RL(%) | Classification      |
|---|------------------------------|-------|---------------------|
| Anthracene (CAS No.: 120-12-7)  | n.d.                         | 0.05  | PBT                 |
| 4,4' - Diaminodiphenylmethane (CAS No.: 101-77-9)   | n.d.                         | 0.05  | CC2                 |
| DBP (Dibutyl phthalate) (CAS No.: 84-74-2)  | n.d.                         | 0.05  | TRC2                |
| BBP (Benzyl butyl phthalate) (CAS No.: 85-68-7)   | n.d.                         | 0.05  | TRC2                |
| Bis (2-ethyl(hexyl)phthalate) (DEHP) (CAS No.: 117-81-7)  | n.d.                         | 0.05  | TRC2                |
| 5-tert-butyl-2,4,6-trinitro- m-xylene (Musk Xylene) (CAS No.: 81-15-2)  | n.d.                         | 0.05  | vPvB                |
| Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α- HBCDD, β- HBCDD, γ- HBCDD) (CAS No.: 25637-99-4 and 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)) | n.d.                         | 0.05  | PBT                 |
| Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (CAS No.: 85535-84-8)   | n.d.                         | 0.05  | PBT                 |
| Bis(tributyltin)oxide*** (CAS No.: 56-35-9)   | n.d.                         | --    | PBT                 |
| Cobalt dichloride (CAS No.: 7646-79-9)  | n.d.                         | 0.005 | CC2; TRC2           |
| Diarsenic pentaoxide*** (CAS No.: 1303-28-2)  | n.d.                         | --    | CC1                 |
| Diarsenic trioxide*** (CAS No.: 1327-53-3)  | n.d.                         | --    | CC1                 |
| Triethyl arsenate*** (CAS No.: 15606-95-8)  | n.d.                         | --    | CC1                 |
| Lead hydrogen arsenate*** (CAS No.: 7784-40-9) (※1)   | n.d.                         | --    | CC1; TRC1           |
| Sodium chromate*** (CAS No.: 7775-11-3)   | n.d.                         | --    | CC2; MC2; TRC2      |
| Ammonium dichromate*** (CAS No.: 7789-09-5)   | n.d.                         | --    | CC2; MC2; TRC2      |
| Potassium dichromate*** (CAS No.: 7778-50-9)  | n.d.                         | --    | CC2; MC2; TRC2      |
| Potassium chromate*** (CAS No.: 7789-00-6)  | n.d.                         | --    | CC2; MC2            |
| Sodium dichromate*** (CAS No.: 10588-01-9, 7789-12-0(*))  | n.d.                         | --    | CC2; MC2; TRC2      |
| Chromium trioxide*** (CAS No.: 1333-82-0)   | n.d.                         | --    | CC1; MC2            |
| Acids generated from chromium trioxide and their oligomers: Chromic acid*** (CAS No.: 7738-94-5)  | n.d.                         | --    | CC2                 |
| Acids generated from chromium trioxide and their oligomers: Dichromic acid*** (CAS No.: 13530-68-2)   | n.d.                         | --    | CC2                 |
| Acids generated from chromium trioxide and their oligomers: Oligomers of chromic acid and dichromic acid (* 1)  | n.d.                         | --    | CC2                 |
| Strontium chromate*** (CAS No.: 7789-06-2)  | n.d.                         | --    | CC2                 |
| Anthracene oil (CAS No.: 90640-80-5) (**)   | n.d.                         | 0.05  | PBT; vPvB; CC2      |
| Anthracene oil, anthracene paste, distn. Lights (CAS No.: 91995-17-4) (**)  | n.d.                         | 0.05  | PBT; vPvB; CC2; MC2 |
| Anthracene oil, anthracene paste, anthracene fraction (CAS No.: 91995-15-2) (**)  | n.d.                         | 0.05  | PBT; vPvB; CC2; MC2 |
| Anthracene oil, anthracene-low (CAS No.: 90640-82-7) (**)   | n.d.                         | 0.05  | PBT; vPvB; CC2; MC2 |
| Anthracene oil, anthracene paste (CAS No.: 90640-81-6) (**)   | n.d.                         | 0.05  | PBT; vPvB; CC2; MC2 |
| Pitch, coal tar, high-temp. (CAS No.: 65996-93-2) (**)  | n.d.                         | 0.05  | PBT; vPvB; CC2      |

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| Substance Name  | Concentration of Article (%) | RL(%) | Classification     |
|---|------------------------------|-------|--------------------|
| DIBP (Di-isobutyl phthalate) (CAS No.: 84-69-5)   | n.d.                         | 0.05  | TRC2               |
| 2,4-Dinitrotoluene (CAS No.: 121-14-2)  | n.d.                         | 0.05  | CC2                |
| Tris(2-chloroethyl) phosphate (TCEP) (CAS No.: 115-96-8)                                      | n.d.                         | 0.05  | TRC2               |
| Lead chromate (CAS No.: 7758-97-6)  | n.d.                         | 0.01  | CC2; TRC1          |
| Lead chromate molybdate sulphate red (C.I. Pigment Red 104) (CAS No.: 12656-85-8)             | n.d.                         | 0.01  | CC2; TRC1          |
| Lead sulfochromate yellow (C.I. Pigment Yellow 34) (CAS No.: 1344-37-2)                       | n.d.                         | 0.01  | CC2; TRC1          |
| Acrylamide (CAS No.: 79-06-1)   | n.d.                         | 0.05  | CC2; MC2           |
| Boric acid*** (CAS No.: 10043-35-3; 11113-50-1)   | n.d.                         | --    | TRC2               |
| Disodium tetraborate, anhydrous*** (CAS No.: 1303-96-4, 1330-43-4, 12179-04-3)                | n.d.                         | --    | TRC2               |
| Tetraboron disodium heptaoxide, hydrate (CAS No.: 12267-73-1) (* 2)                           | n.d.                         | --    | TRC2               |
| Trichloroethylene (CAS No.: 79-01-6)  | n.d.                         | 0.05  | CC2                |
| Cobalt(II) sulphate*** (CAS No.: 10124-43-3)  | n.d.                         | --    | CC2; TRC2          |
| Cobalt(II) dinitrate*** (CAS No.: 10141-05-6)   | n.d.                         | --    | CC2; TRC2          |
| Cobalt(II) carbonate*** (CAS No.: 513-79-1)   | n.d.                         | --    | CC2; TRC2          |
| Cobalt(II) diacetate*** (CAS No.: 71-48-7)  | n.d.                         | --    | CC2; TRC2          |
| 2-Methoxyethanol (CAS No.: 109-86-4)  | n.d.                         | 0.05  | TRC2               |
| 2-Ethoxyethanol (CAS No.: 110-80-5)   | n.d.                         | 0.05  | TRC2               |
| 2-ethoxyethyl acetate (CAS No.: 111-15-9)   | n.d.                         | 0.05  | TRC2               |
| 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (CAS No.: 68515-42-4) | n.d.                         | 0.05  | TRC2               |
| Hydrazine (CAS No.: 7803-57-8; 302-01-2)  | n.d.                         | 0.05  | CC2                |
| 1-methyl-2-pyrrolidone (CAS No.: 872-50-4)  | n.d.                         | 0.05  | TRC2               |
| 1,2,3-trichloropropane (CAS No.: 96-18-4)   | n.d.                         | 0.05  | CC2; TRC2          |
| 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (CAS No.: 71888-89-6)    | n.d.                         | 0.05  | TRC2               |
| Arsenic acid*** (CAS No.: 7778-39-4)  | n.d.                         | --    | CC1                |
| Calcium arsenate*** (CAS No.: 7778-44-1)  | n.d.                         | --    | CC1                |
| Triead diarsenate*** (CAS No.: 3687-31-8) (⊗1)  | n.d.                         | --    | CC1; TRC1          |
| Lead diazide, Lead azide*** (CAS No.: 13424-46-9)   | n.d.                         | --    | TRC1               |
| Lead styphnate*** (CAS No.: 15245-44-0)   | n.d.                         | --    | TRC1               |
| Lead dipicrate*** (CAS No.: 6477-64-1)  | n.d.                         | --    | TRC1               |
| Dichromium tris (chromate)*** (CAS No.: 24613-89-6)   | n.d.                         | --    | CC2                |
| Potassium hydroxyoctaoxidizincatedi- chromate*** (CAS No.: 11103-86-9)                        | n.d.                         | --    | CC1                |
| Pentazinc chromate octahydroxide*** (CAS No.: 49663-84-5)                                     | n.d.                         | --    | CC1                |
| Formaldehyde, oligomeric reaction products with aniline (technical MDA) (CAS No.: 25214-70-4) | n.d.                         | 0.05  | CC2                |
| Bis(2-methoxyethyl) phthalate (CAS No.: 117-82-8)   | n.d.                         | 0.05  | TRC2               |
| 2-Methoxyaniline; o-Anisidine (CAS No.: 90-04-0)  | n.d.                         | 0.05  | CC2                |
| 4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol) (CAS No.: 140-66-9)                 | n.d.                         | 0.05  | Equivalent concern |
| 1,2-Dichloroethane (CAS No.: 107-06-2)  | n.d.                         | 0.05  | CC2                |
| Bis(2-methoxyethyl) ether (CAS No.: 111-96-6)   | n.d.                         | 0.05  | TRC2               |

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| N,N-dimethylacetamide (DMAC) (CAS No.: 127-19-5)   | n.d.                         | 0.05  | TRC2               |
| 2,2'-dichloro- 4,4'-methylenedianiline (MOCA) (CAS No.: 101-14-4)  | n.d.                         | 0.05  | CC2                |
| Phenolphthalein (CAS No.: 77-09-8)   | n.d.                         | 0.05  | CC2                |
| Aluminosilicate, Refractory Ceramic Fibres <b>【oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges】</b>   | n.d.                         | 0.05  | CC2                |
| Zirconia Aluminosilicate, Refractory Ceramic Fibres <b>【oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges】</b>   | n.d.                         | 0.05  | CC2                |
| 1,2-bis (2-methoxyethoxy) ethane (TEGDME; triglyme) (CAS No.: 112-49-2)  | n.d.                         | 0.05  | TRC2               |
| 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) (CAS No.: 110-71-4)  | n.d.                         | 0.05  | TRC2               |
| Formamide (CAS No.: 75-12-7)   | n.d.                         | 0.05  | TRC2               |
| Lead(II) bis(methanesulfonate)*** (CAS No.: 17570-76-2)  | n.d.                         | --    | TRC2               |
| TGIC (1,3,5-tris(oxiranylmethyl)- 1,3,5-triazine-2,4,6 (1H,3H,5H)-trione) (CAS No.: 2451-62-9)   | n.d.                         | 0.05  | MC2                |
| β-TGIC (1,3,5-tris [(2S and 2R)-2,3-epoxypropyl]- 1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) (CAS No.: 59653-74-6) (X3)   | n.d.                         | 0.05  | MC2                |
| 4,4'-bis (dimethylamino) benzophenone (Michler's ketone) (CAS No.: 90-94-8)  | n.d.                         | 0.05  | CC2                |
| N,N,N',N'-tetramethyl- 4,4'-methylenedianiline (Michler's base) (CAS No.: 101-61-1)  | n.d.                         | 0.05  | CC2                |
| [4-[4,4'-bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3) (CAS No.: 548-62-9) [with ≥ 0.1% of Michler's ketone or Michler's base]   | n.d.                         | 0.05  | CC2                |
| [4-[[4-anilino-1-naphthyl] [4-(dimethylamino) phenyl] methylene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) (CAS No.: 2580-56-5) [with ≥ 0.1% of Michler's ketone or Michler's base]   | n.d.                         | 0.05  | CC2                |
| α,α-Bis[4-(dimethylamino) phenyl]-4 (phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4) (CAS No.: 6786-83-0) [with ≥ 0.1% of Michler's ketone or Michler's base]  | n.d.                         | 0.05  | CC2                |
| Diboron trioxide*** (CAS No.: 1303-86-2)   | n.d.                         | --    | TRC2               |
| 4,4'-bis (dimethylamino)-4''-(methylamino) trityl alcohol (CAS No.: 561-41-1) [with ≥ 0.1% of Michler's ketone or Michler's base]  | n.d.                         | 0.05  | CC2                |
| Bis(pentabromophenyl) ether (DecaBDE) (CAS No.: 1163-19-5)   | n.d.                         | 0.05  | PBT                |
| Pentacosafuorotridecanoic acid (CAS No.: 72629-94-8)   | n.d.                         | 0.05  | PBT                |
| Tricosafuorododecanoic acid (CAS No.: 307-55-1)  | n.d.                         | 0.05  | PBT                |
| Henicosafuoroundecanoic acid (CAS No.: 2058-94-8)  | n.d.                         | 0.05  | PBT                |
| Heptacosafuorotetradecanoic acid (CAS No.: 376-06-7)   | n.d.                         | 0.05  | PBT                |
| 4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated- covering well-defined substances and UVCB substances, polymers and homologues  | n.d.                         | 0.05  | Equivalent concern |
| 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 | n.d.                         | 0.05  | Equivalent concern |

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|---|------------------------------|-------|--------------------|
| Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (CAS No.: 123-77-3)   | n.d.                         | 0.05  | Equivalent concern |
| Cyclohexane-1,2-dicarboxylic anhydride (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA) (CAS No.: 85-42-7, 13149-00-3, 14166-21-3)                           | n.d.                         | 0.05  | Equivalent concern |
| Hexahydromethylphthalic anhydride (CAS No.: 25550-51-0)<br>Hexahydro-4-methylphthalic anhydride (CAS No.: 19438-60-9)<br>Hexahydro-1-methylphthalic anhydride (CAS No.: 48122-14-1)<br>Hexahydro-3-methylphthalic anhydride (CAS No.: 57110-29-9) | n.d.                         | 0.05  | Equivalent concern |
| Methoxy acetic acid (CAS No.: 625-45-6)   | n.d.                         | 0.05  | TRC2               |
| 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (CAS No.: 84777-06-0)  | n.d.                         | 0.05  | TRC2               |
| Diisopentylphthalate (CAS No.: 605-50-5)  | n.d.                         | 0.05  | TRC2               |
| N-pentyl-isopentylphthalate (CAS No.: 776297-69-9)  | n.d.                         | 0.05  | TRC2               |
| 1,2-Diethoxyethane (CAS No.: 629-14-1)  | n.d.                         | 0.05  | TRC2               |
| N,N-dimethylformamide; dimethyl formamide (CAS No.: 68-12-2)  | n.d.                         | 0.05  | TRC2               |
| Dibutyltin dichloride (DBTC) (CAS No.: 683-18-1)  | n.d.                         | 0.05  | TRC2               |
| Acetic acid, lead salt, basic*** (CAS No.: 51404-69-4)  | n.d.                         | --    | TRC1               |
| Trilead bis(carbonate) dihydroxide (basic lead carbonate)*** (CAS No.: 1319-46-6)   | n.d.                         | --    | TRC1               |
| Lead oxide sulfate*** (CAS No.: 12036-76-9)   | n.d.                         | --    | TRC1               |
| [Phthalato(2-)] dioxotrilead*** (CAS No.: 69011-06-9)   | n.d.                         | --    | TRC1               |
| Dioxobis(stearato) trilead*** (CAS No.: 12578-12-0)   | n.d.                         | --    | TRC1               |
| Fatty acids, C16-18, lead salts*** (CAS No.: 91031-62-8)  | n.d.                         | --    | TRC1               |
| Lead cyanamidate*** (CAS No.: 20837-86-9)   | n.d.                         | --    | TRC1               |
| Lead dinitrate*** (CAS No.: 10099-74-8)   | n.d.                         | --    | TRC1               |
| Lead oxide (lead monoxide)*** (CAS No.: 1317-36-8)  | n.d.                         | --    | TRC1               |
| Lead tetroxide (orange lead)*** (CAS No.: 1314-41-6)  | n.d.                         | --    | TRC1               |
| Pentalead tetraoxide sulphate*** (CAS No.: 12065-90-6)  | n.d.                         | --    | TRC1               |
| Silicic acid, lead salt*** (CAS No.: 11120-22-2)  | n.d.                         | --    | TRC1               |
| Sulfurous acid, lead salt, dibasic*** (CAS No.: 62229-08-7)   | n.d.                         | --    | TRC1               |
| Tetraethyllead*** (CAS No.: 78-00-2)  | n.d.                         | --    | TRC1               |
| Tetralead trioxide sulphate*** (CAS No.: 12202-17-4)  | n.d.                         | --    | TRC1               |
| Lead bis(tetrafluoroborate)*** (CAS No.: 13814-96-5)  | n.d.                         | --    | TRC1               |
| Lead titanium trioxide*** (CAS No.: 12060-00-3)   | n.d.                         | --    | TRC1               |
| Lead Titanium Zirconium Oxide*** (CAS No.: 12626-81-2)  | n.d.                         | --    | TRC1               |
| Pyrochlore, antimony lead yellow*** (CAS No.: 8012-00-8)  | n.d.                         | --    | TRC1               |
| Trilead dioxide phosphonate*** (CAS No.: 12141-20-7)  | n.d.                         | --    | TRC1               |
| Silicic acid, barium salt, lead-doped*** (CAS No.: 68784-75-8)  | n.d.                         | --    | TRC1               |
| Furan (CAS No.: 110-00-9)   | n.d.                         | 0.05  | CC2                |
| Propylene oxide; 1,2-epoxypropane; methyloxirane (CAS No.: 75-56-9)   | n.d.                         | 0.05  | CC2; MC2           |
| Diethyl sulphate (CAS No.: 64-67-5)   | n.d.                         | 0.05  | CC2; MC2           |
| Dimethyl sulphate (CAS No.: 77-78-1)  | n.d.                         | 0.05  | CC2                |
| 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine (CAS No.: 143860-04-2)   | n.d.                         | 0.05  | TRC2               |
| Dinoseb (CAS No.: 88-85-7)  | n.d.                         | 0.05  | TRC2               |
| 4,4'-methylenedi-o-toluidine (CAS No.: 838-88-0)  | n.d.                         | 0.05  | CC2                |

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|---|------------------------------|-------|----------------------------|
| 4,4'-oxydianiline and its salts (CAS No.: 101-80-4)   | n.d.                         | 0.05  | CC2; MC2                   |
| 4-Aminoazobenzene; 4-Phenylazoaniline (CAS No.: 60-09-3)  | n.d.                         | 0.05  | CC2                        |
| 4-methyl-m-phenylenediamine (2,4-toluenediamine) (CAS No.: 95-80-7)   | n.d.                         | 0.05  | CC2                        |
| 6-methoxy-m-toluidine (p-cresidine) (CAS No.: 120-71-8)   | n.d.                         | 0.05  | CC2                        |
| Biphenyl-4-ylamine (CAS No.: 92-67-1)   | n.d.                         | 0.05  | CC1                        |
| o-aminoazotoluene (CAS No.: 97-56-3)  | n.d.                         | 0.05  | CC2                        |
| o-Toluidine; 2-Aminotoluene (CAS No.: 95-53-4)  | n.d.                         | 0.05  | CC2                        |
| N-methylacetamide (CAS No.: 79-16-3)  | n.d.                         | 0.05  | TRC2                       |
| 1-bromopropane (CAS No.: 106-94-5)  | n.d.                         | 0.05  | TRC2                       |
| Pentadecafluorooctanoic acid (PFOA) (CAS No.: 335-67-1)   | n.d.                         | 0.05  | TRC 1B & PBT               |
| Ammoniumpentadecafluorootanoate (APFO)*** (CAS No.: 3825-26-1)  | n.d.                         | 0.05  | TRC 1B & PBT               |
| Cadmium (Cd) (CAS No.: 7440-43-9)   | n.d.                         | 0.005 | CC 1B & EQC                |
| Cadmium oxide*** (CAS No.: 1306-19-0)   | n.d.                         | —     | CC 1B & EQC                |
| DPP (Di-pentyl phthalate) (CAS No.: 131-18-0)   | n.d.                         | 0.05  | TRC 1B                     |
| 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] | n.d.                         | 0.05  | EQC                        |
| Dihexyl phthalate (CAS No.: 84-75-3)  | n.d.                         | 0.05  | TRC 1B                     |
| Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) (CAS No.: 573-58-0)  | n.d.                         | 0.05  | CC 1B                      |
| 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) (CAS No.: 1937-37-7)   | n.d.                         | 0.05  | CC 1B                      |
| Imidazolidine-2-thione; 2-imidazoline-2-thiol (CAS No.: 96-45-7)  | n.d.                         | 0.05  | TRC 1B                     |
| Trixylyl phosphate (CAS No.: 25155-23-1)  | n.d.                         | 0.05  | TRC 1B                     |
| Cadmium sulphide*** (CAS No.: 1306-23-6)  | n.d.                         | —     | CC 1B & EQC                |
| Lead di(acetate)*** (CAS No.: 301-04-2)   | n.d.                         | —     | TRC 1A                     |
| 1,2-benzenedicarboxylic acid ,dihexyl ester,branched and LINEAR (CAS NO 68515-50-4)   | N.d.                         | 0.05  | TRC 1B                     |
| Cadmium chloride (cas no:10108-64-2)  | N.d.                         | -     | CC 1 B: MC 1 B: TRC 1B:EQC |
| Sodium perborate:perboric acid, sodium salt   | N.d.                         | -     | TRC 1B                     |
| Sodium peroxometaborate*** (cas no:7632-04-4)   | N.d.                         | -     | TRC 1B                     |

**TEST REPORT**

**Report No. : GR:HL:5480029398**

**DATE : 22<sup>nd</sup> November, 2014**



**Note :**

1. mg/kg = ppm; 0.1wt% = 1000ppm
2. n.d.= not detected = below Reporting Limit
3. RL = Reporting Limit
4. " - " = Not Regulated
5. (\*): conc. of Sodium dichromate dihydrate (CAS No.: 7789-12-0) = conc. of sodium dichromate □ 1.1374
6. (\*\*): The concentrations of above-mentioned mixtures are evaluated per the gained composition rate between the selected marks and the mixtures.
7. (\* 1): Oligomers of chromic acid and dichromic acid : since the oligomers are made of the unknown amount of chromic acid or dichromic acid that results in no fixed molecular weight, therefore the monomer of chromic acid or dichromic acid is relevant and considered.
8. (\* 2): Tetraboron disodium heptaoxide, hydrate: Only anhydrous form of disodium tetraborate is relevant and considered according to ECHA explanation (Ref no.: INC 000000032519).
9. F Parameter Conversion Table : Please refer to [http://twap.sgs.com/sgsrsts/chn/download-REACH\\_tw.asp](http://twap.sgs.com/sgsrsts/chn/download-REACH_tw.asp)
10. Classification : Please refer to [http://twap.sgs.com/sgsrsts/chn/download-REACH\\_tw.asp](http://twap.sgs.com/sgsrsts/chn/download-REACH_tw.asp)
11. \*\*\*: The substance was calculated by the test results of Tributyl Tin, PFOA or element (Ex. Arsenic, Lead, Cr(VI), Boron, Cobalt, Barium, Cadmium respectively).
12. (※1): Regarding the compound containing arsenic and lead, lead and arsenic are tested and respectively used for the calculation of the independent concentration of the compound containing arsenic and lead. The minimum value of the two independently calculated concentrations is used as the final concentration for the report.
13. (※2): The extracted soluble Boron / Arsenic are detected by ICP-AES.
14. (※3): TGIC is a mixture and also contains β-TGIC. According to the ECHA's technical dossier the ratio of β-TGIC to TGIC is around 1 to 10.

**The test result is given as:**

| Substance Name             | Concentration of Article (%) | RL (%) |
|----------------------------|------------------------------|--------|
| Tributyl Tin (TBT)         | n.d.                         | 0.05   |
| Arsenic (As) (※2)          | n.d.                         | 0.005  |
| Lead (Pb)                  | n.d.                         | 0.005  |
| Hexavalent Chromium Cr(VI) | n.d.                         | 0.005  |
| Boron (B) (※2)             | n.d.                         | 0.005  |
| Cobalt (Co)                | n.d.                         | 0.005  |
| Barium (Ba)                | n.d.                         | 0.005  |



**TEST REPORT**

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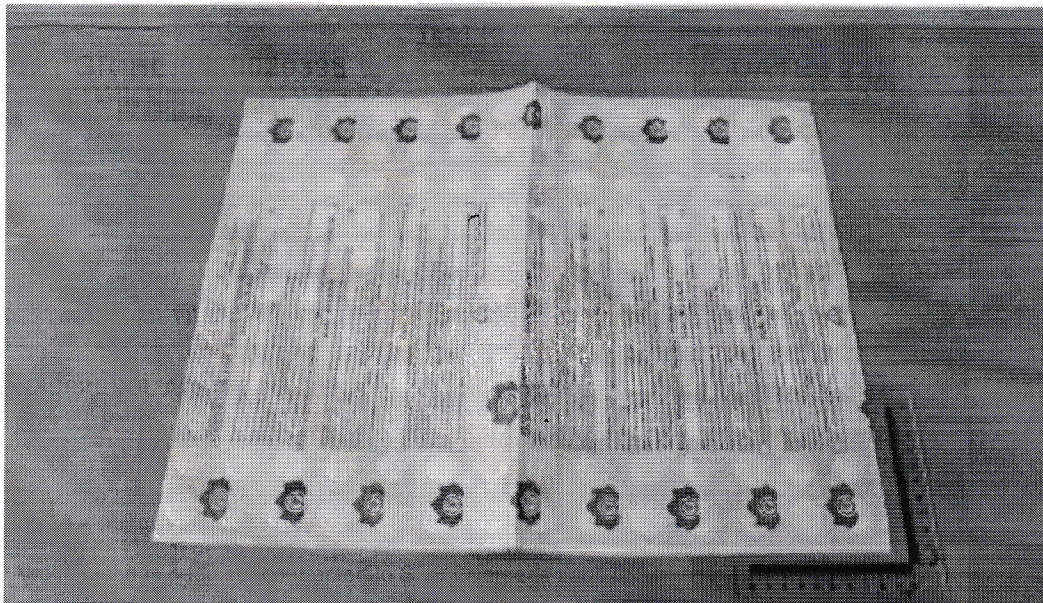


| TEST NAME/METHOD  | RESULT                         |
|---|--------------------------------|
| <b>2. BISPHENOL A (BPA) CONTENT</b><br>(Solvent extraction and analysis by LC/MS) | Grapage Grape Guard Sheet : ND |

**Note:**

1. Detection Limit = 1 mg/kg, ND=Not Detected
2. mg/kg = milligram per kilograms
3. Testing has been performed as per applicant's request.
4. Above test has been subcontracted to SGS Overseas Lab .

Sample as Received



\*\*\*\*\* End of Report\*\*\*\*\*