

**Textile Laboratory**

**Test Report**

No: TZ90006 /2021 /LR

Date: Sep. 17, 2021

Page 1 of 11

Croslene Chemical Industries Ltd.  
 No. 88 Xiangxi Rd., Hukou Village, Hukou Township,  
 Hsinchu Country 30348, Taiwan, R.O.C.

Product Name : Croslene TA-1001  
 Alternative Name(s) : /  
 Brand Name : CROSLENE  
 Catalogue No. : /  
 Batch No. : L-10729  
 Packaging Size : /  
 Country of Origin : Republic of China  
 Country of Destination : /  
 Manufacturer : Croslene Chemical Industries Ltd.  
 Manufacturing Address : No. 88 Xiangxi Rd., Hukou Village, Hukou Township,  
 Hsinchu Country 30348, Taiwan, R.O.C.  
 SGS Job No. : /  
 SGS Subcontract No. : /  
 SGS Chemical MRS� Conformance : 1121T8860186  
 Scheme Ref No.  
 Sample Collection : Conducted by Applicant  
 Sampling Date : /  
 Sampling Location : /  
 Quantity Collected : /  
 Date of Sample Received by the Lab. : 13 SEP. 2021  
 Testing Period : 13 SEP. 2021 - 17 SEP. 2021

**Product Information Declared by the Applicant**

Product Description : Liquid, Color: Milk-white  
 Application or Use : Adhesive for adjusting the hardness of non-fabric and fabric  
 impregnation processing.

Formulation Type Categorization : 1.3.24 Adhesives

Concentration of the Key Base Ingredient

| <u>CAS No.</u> | <u>Name of Substance</u> | <u>% W/W (Conc.)</u> |
|----------------|--------------------------|----------------------|
| 61790-50-9     | Surfactant               | 2-3%                 |
| 97048-04-9     | Copolymer                | 42-43%               |
| 7732-18-5      | Water                    | 55-56%               |

**Test Requested, Test Result(s)** : Please refer to next page(s)

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**Summary of Test Results:**

| Item   | Conclusion        |
|--|-------------------|
| Limit of Chemical substances as listed in ZDHC – Manufacturing Restricted Substances List – Version 2.0 Dec 2020 Chapter 1 | <b>Compliance</b> |

**Test Sample:**

| SGS Sample No | Appearance        |
|---------------|-------------------|
| 1             | Milk-white Liquid |

**Test Requested:**

Screening test on chemical substances followed by quantitative analysis on the detected chemical substances for the compliance with ZDHC – Manufacturing Restricted Substances List – Version 2.0 Dec 2020, Chapter 1 ZDHC MRSL Group B Formulation Limit.

**Test Result:**

**Chemical Screening**

Test Method: SGS Chemical Screening Method (SGS BRS300-2020)# - Semi-quantitative analysis with the use of GC-MS, LC-MS/DAD, ICP-MS and several screenings.

| Chemical Screening as requested by client – listed in ZDHC MRSL version 2 Dec 2020 Chapter 1 |                       |         |    |
|--|-----------------------|---------|----|
| Parameter  | Substance Name        | CAS No. | 1  |
| All  | All tested substances | -       | ND |

**Notes:**

1. ND = Not detected (lower than reporting limit (RL), details of RL are listed in Appendix 1).
2. # Chemical Screening method BRS300-2020 is a specifically designed method by SGS. It applies various techniques such as GCMS, LC-MS/DAD, ICP-MS and innovative screening technique to detect the substances listed in ZDHC MRSL version 2.0 Dec 2020. Results that are higher than the RL will be subjected to quantitative analysis (confirmation test) of Individual substances.
3. @ Positive result is noted in the screening test. Please refer to result of individual test.

Signed for and on behalf of  
SGS Taiwan Ltd.

*Ronnie Chang*

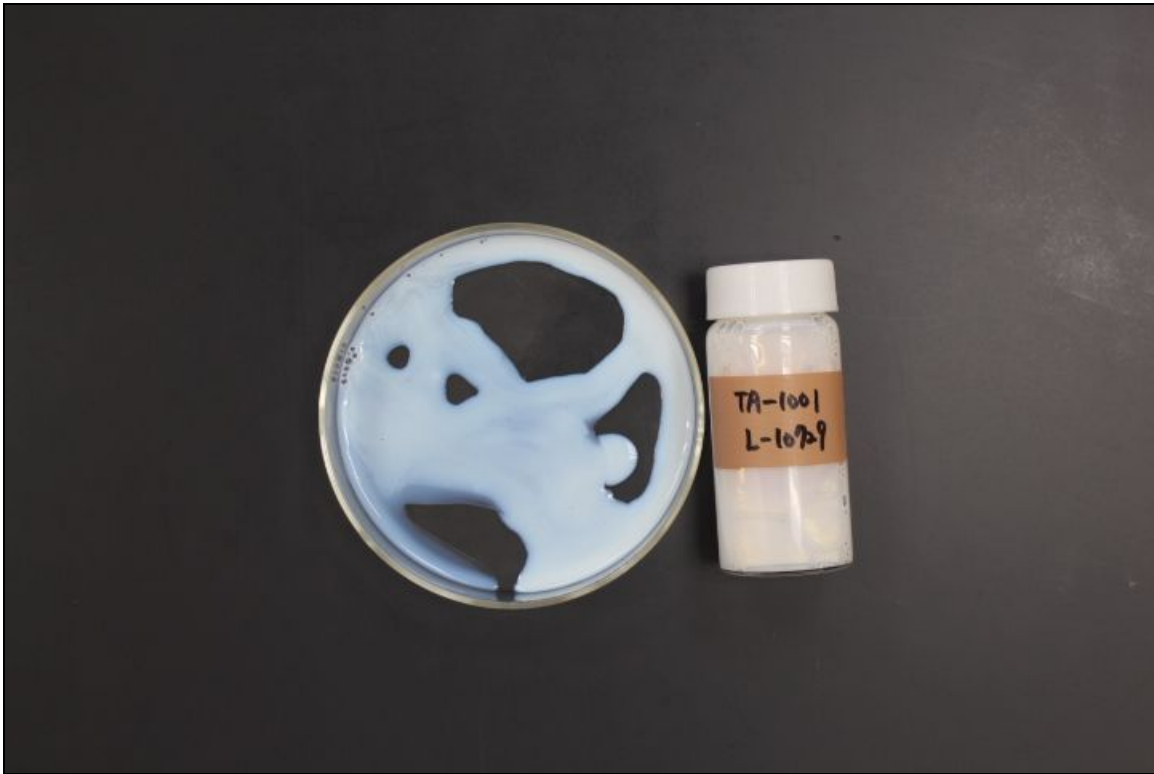
Chang Chia Hao, Ronnie  
Technical Manager



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Sample Photo:



SGS authenticate the photo on original report only

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**Appendix 1 Target Analytes of Chemical Screening Program**

| Substance Name  | CAS No.  | Substance Name                  | CAS No.                               | Substance Name                 | CAS No.   |
|---|--|---------------------------------|---------------------------------------|--------------------------------|---|
| <b>ZDHC-MRSL v2.0 Substances</b>  |  |                                 |                                       |                                |   |
| <b>1. AP &amp; APEOs (RL: 100 mg/kg)</b>  |  |                                 |                                       |                                |   |
| <b>Requirement: NP, OP: 250 mg/kg (for individual compound); NPEO, OPEO: 500 mg/kg (for individual compound)</b>                                      |  |                                 |                                       |                                |   |
| Nonylphenol (NP), mixed isomers   | 104-40-5;<br>11066-49-2;<br>25154-52-3 ;<br>84852-15-3;                | Octylphenol (OP), mixed isomers | 140-66-9;<br>1806-26-4;<br>27193-28-8 | Octylphenol ethoxylates (OPEO) | 68987-90-6;<br>9036-19-5;<br>9002-93-1                                      |
| Nonylphenol ethoxylates (NPEO)  | 9016-45-9;<br>26027-38-3;<br>37205-87-1;<br>68412-54-4;<br>127087-87-0 |                                 |                                       |                                |   |
| <b>2. Chlorobenzenes and Chlorotoluenes (RL: 5 mg/kg)</b>   |  |                                 |                                       |                                |   |
| <b>Requirement: 1,2-DiCB: 500 mg/kg;<br/>Sum of Chlorobenzenes and Chlorotoluene (except 1,2-DiCB): 200 mg/kg; TetraCT and TriCT: 10 mg/kg (each)</b> |  |                                 |                                       |                                |   |
| Chlorobenzene   | 108-90-7   | Tetrachlorobenzene              | 634-66-2;<br>634-90-2;<br>95-94-3     | Dichlorotoluene                | 32768-54-0;<br>95-73-8;<br>19398-61-9;<br>118-69-4<br>95-75-0<br>25186-47-4 |
| Dichlorobenzene   | 541-73-1;<br>106-46-7  | Pentachlorobenzene              | 608-93-5                              | Trichlorotoluene               | 7359-72-0;<br>2077-46-5;<br>6639-30-1;<br>23749-65-7                        |
| 1,2-Dichlorobenzene   | 95-50-1  | Hexachlorobenzene               | 118-74-1                              | Tetrachlorotoluene             | 875-40-1;<br>1006-31-1;<br>1006-32-2  |
| Trichlorobenzene  | 87-61-6;<br>120-82-1;<br>108-70-3                                      | Chlorotoluene                   | 95-49-8;<br>108-41-8;<br>106-43-4     | Pentachlorotoluene             | 877-11-2  |

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| 3. Chlorophenols (RL: 20 mg/kg)   |            |   |           |                             |            |
|---|------------|---|-----------|-----------------------------|------------|
| Requirement: Sum of PCP & TeCP: 20 mg/kg; Sum of TriCP, DCP & MCP: 50 mg/kg |            |   |           |                             |            |
| 2-Chlorophenol  | 95-57-8    | 2,3-Dichlorophenol                        | 576-24-9  | 2,3,4-Trichlorophenol       | 15950-66-0 |
| 3-Chlorophenol  | 108-43-0   | 2,4-Dichlorophenol                        | 120-83-2  | 2,3,5-Trichlorophenol       | 933-78-8   |
| 4-Chlorophenol  | 106-48-9   | 2,5-Dichlorophenol                        | 583-78-8  | 3,4,5-Trichlorophenol       | 609-19-8   |
| Pentachlorophenol (PCP)   | 87-86-5    | 2,6-Dichlorophenol                        | 87-65-0   | 2,4,5-Trichlorophenol       | 95-95-4    |
| Tetrachlorophenol   | 4901-51-3  | 3,4-Dichlorophenol                        | 95-77-2   | 2,4,6-Trichlorophenol       | 88-06-2    |
|   | 58-90-2    |   |           |                             |            |
|   | 935-95-5   | 3,5-Dichlorophenol                        | 591-35-5  | 2,3,6-Trichlorophenol       | 933-75-5   |
| 4. Dyes- Azo forming restricted amines (RL: 100 mg/kg)                      |            |   |           |                             |            |
| Requirement: 150 mg/kg (for individual compound)                            |            |   |           |                             |            |
| Aminoazobenzene   | 60-09-3    | 2,4-Diaminoanisole                        | 615-05-4  | 5-Nitro-o-toluidine         | 99-55-8    |
| 4-Aminobiphenyl   | 92-67-1    | 4,4'-Diaminodiphenylmethane               | 101-77-9  | 4,4'-Oxydianiline           | 101-80-4   |
| o-Aminoazotoluene   | 97-56-3    | 3,3'-Dichlorobenzidine                    | 91-94-1   | 4,4'-Thiodianiline          | 139-65-1   |
| o-Anisidine   | 90-04-0    | 3,3'-Dimethylbenzidine                    | 119-93-7  | o-Toluidine                 | 95-53-4    |
| Benzidine   | 92-87-5    | 3,3'-Dimethyl-4,4'-diaminodiphenylmethane | 838-88-0  | 2,4,5-Trimethylaniline      | 137-17-7   |
|   |            |   |           |                             |            |
| 4-Chloroaniline   | 106-47-8   | 3,3'-Dimethoxybenzidine                   | 119-90-4  | 2,4-Toluenediamine          | 95-80-7    |
| 4-Chloro-o-toluidine  | 95-69-2    | 4,4'-Methylenebis-(2-chloroaniline)       | 101-14-4  | 2,4-Xylidine                | 95-68-1    |
| 6-methoxy-m-toluidine   | 120-71-8   | 2-Naphtylamine                            | 91-59-8   | 2,6-Xylidine                | 87-62-7    |
| 2-Naphthyl ammonium acetate   | 553-00-4   | 4-chloro-otoluidinium chloride            | 3165-93-3 | 2,4-diaminoanisole sulphate | 39156-41-7 |
| 2,4,5-trimethylaniline hydrochloride  | 21436-97-5 |   |           |                             |            |

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| 5. Dyes - Navy Blue Colourant (RL: 200 mg/kg)                                   |                        |                                  |            |   |            |
|---|------------------------|----------------------------------|------------|---|------------|
| Requirement: 250 mg/kg (for individual compound)                                |                        |                                  |            |   |            |
| Navy Blue (C39H23ClCrN7O12S•2Na)  | 118685-33-9            | Navy Blue (C46H30CrN10O20S2•3Na) | NA         |   |            |
| 6. Dyes - Carcinogenic or equivalent concern (RL: 200 mg/kg)                    |                        |                                  |            |   |            |
| Requirement: 250 mg/kg (for individual compound)                                |                        |                                  |            |   |            |
| Acid Red 26   | 3761-53-3              | Basic Red 9                      | 569-61-9   | Disperse Blue 1                               | 2475-45-8  |
| Basic Blue 26 (with Michler's Ketone > 0.1%)                                    | 2580-56-5              | Basic Violet 14                  | 632-99-5   | Disperse Blue 3                               | 2475-46-9  |
| Basic Green 4 (malachite green chloride)  | 569-64-2               | Direct Black 38                  | 1937-37-7  | Disperse Orange 11                            | 82-28-0    |
| Basic Green 4 (malachite green oxalate)   | 2437-29-8              | Direct Blue 6                    | 2602-46-2  | Direct Red 28                                 | 573-58-0   |
| Basic Green 4 (malachite green)   | 10309-95-2             | Acid Violet 49                   | 1694-09-3  | Basic violet 3 with >0.1% of Michler's Ketone | 548-62-9   |
| 7. Dyes – Disperse Sensitising (RL: 200 mg/kg)                                  |                        |                                  |            |   |            |
| Requirement – Textile Processing Chemicals: 250 mg/kg (for individual compound) |                        |                                  |            |   |            |
| Requirement – Leather and Polymers Processing Chemicals: Not Applicable         |                        |                                  |            |   |            |
| Disperse Blue 102   | 12222-97-8             | Disperse Orange 1                | 2581-69-3  | Disperse Yellow 1                             | 119-15-3   |
| Disperse Blue 106   | 12223-01-7             | Disperse Red 11                  | 2872-48-2  | Disperse Yellow 9                             | 6373-73-5  |
| Disperse Blue 124   | 61951-51-7             | Disperse Orange 3                | 730-40-5   | Disperse Yellow 3                             | 2832-40-8  |
| Disperse Blue 26  | 3860-63-7              | Disperse Orange 37/59/76         | 13301-61-6 | Disperse Yellow 39                            | 12236-29-2 |
| Disperse Blue 35  | 56524-77-7, 56524-76-6 | Disperse Red 1                   | 2872-52-8  | Disperse Yellow 49                            | 54824-37-2 |
| Disperse Blue 7   | 3179-90-6              | Disperse Brown 1                 | 23355-64-8 | Disperse Red 17                               | 3179-89-3  |

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| 8. Chlorinated Paraffins (RL: 50 mg/kg)  |                         |  |            |  |            |
|--|-------------------------|--|------------|--|------------|
| Requirement – Textile Processing Chemicals: SCCP: 50 mg/kg; MCCP: 500 mg/kg        |                         |  |            |  |            |
| Requirement – Leather Processing Chemicals: SCCP: 250 mg/kg; MCCP: 500 mg/kg       |                         |  |            |  |            |
| Requirement – Polymers Processing Chemicals: SCCP: Not Applicable; MCCP: 500 mg/kg |                         |  |            |  |            |
| Short Chain Chlorinated Paraffins (SCCP) with C10 –C13                             | 85535-84-8              | Medium-chain chlorinated Paraffins (MCCP) with C14-C17 | 85535-85-9 |  |            |
| 9. Flame Retardants (RL: HBCDD, TBBPA: 100 mg/kg; Others: 200 mg/kg)               |                         |  |            |  |            |
| Requirement: 250 mg/kg (for individual compound)                                   |                         |  |            |  |            |
| 2,2-bis(bromo methyl)-1,3-propanediol (BBMP)                                       | 3296-90-0               | Pentabromo diphenyl ether (PentaBDE)                   | 32534-81-9 | Tris (2-Chloroethyl) Phosphate (TCEP)        | 115-96-8   |
| Decabromo diphenyl ether (DecaBDE)   | 1163-19-5               | Polybrominated biphenyls (PBB)                         | 59536-65-1 | Tris(1,3-dichloro-2-propyl) phosphate (TDCP) | 13674-87-8 |
| Hexabromocyclo dodecane (HBCDD)  | 3194-55-6               | Tetrabromo-bisphenol A (TBBPA)                         | 79-94-7    | Tris(2,3-dibromopropyl)-phosphate (TRIS)     | 126-72-7   |
| Octabromo diphenyl ether (OctaBDE)   | 32536-52-0              | Tris(1-aziridinyl)phosphine oxide (TEPA)               | 545-55-1   | Bis(2,3-dibromopropyl) phosphate (BIS)       | 5412-25-9  |
| Boric acid   | 10043-35-3 / 11113-50-1 | Decabromobiphenyl (DecaBB)                             | 13654-09-6 | Dibromopropylether                           | 21850-44-2 |
| Disodium tetraborate, anhydrous  | 1303-96-4 / 1330-43-4   | Dibromobiphenyls (DiBB)                                | Multiple   | Heptabromodiphenyl ether (HeptaBDE)          | 68928-80-3 |
| Disodium octaborate  | 12008-41-2              | Monobromobiphenyls (MonoBB)                            | Multiple   | Monobromodiphenyl ethers (MonoBDEs)          | Multiple   |
| Diboron trioxide   | 1303-86-2               | Nonabromobiphenyls (NonaBB)                            | Multiple   | Hexabromodiphenyl ether (HexaBDE)            | 36483-60-0 |
| Tetraboron disodium heptaoxide, hydrate  | 12267-73-1              | Octabromobiphenyls (OctaBB)                            | Multiple   | Nonabromodiphenyl ether (NonaBDE)            | 63936-56-1 |
| Tris-(2-chloro-1-met   | 13674-84-5              | Tribromodiphenyl ethers (TriBDEs)                      | Multiple   | Tetrabromodiphenyl                           | 40088-47-9 |

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|   |          |                         |            |                                |          |
|---|----------|-------------------------|------------|--------------------------------|----------|
| hylethyl)phospha<br>te<br>(TCPP)  |          |                         |            | ether (TetraBDE)               |          |
| <b>10. Glycols (RL: 40 mg/kg)</b>   |          |                         |            |                                |          |
| <b>Requirement – Textile Processing Chemicals: 50 mg/kg (for individual compound)</b>   |          |                         |            |                                |          |
| <b>Requirement – Leather Processing Chemicals: 2-methoxy propylacetate: 1000 mg/kg;<br/>Others: 50 mg/kg (for individual compound)</b>      |          |                         |            |                                |          |
| <b>Requirement – Polymers Processing Chemicals: 2-methoxy propylacetate: Not Applicable;<br/>Others: 50 mg/kg (for individual compound)</b> |          |                         |            |                                |          |
| Triethylene glycol dimethyl ether (TEGDME)  | 112-49-2 | 2-methoxyethanol        | 109-86-4   | Bis(2-methoxyethyl)-ether      | 111-96-6 |
| 2-ethoxyethanol   | 110-80-5 | 2-methoxy ethylacetate  | 110-49-6   | Ethylene glycol dimethyl ether | 110-71-4 |
| 2-ethoxyethyl acetate   | 111-15-9 | 2-methoxy propylacetate | 70657-70-4 |                                |          |
| <b>11. Halogenated Solvents (RL: Trichloroethylene: 40 mg/kg;<br/>Benzylchloride: 5 mg/kg; Dyes: 100 mg/kg; Others: 5 mg/kg)</b>            |          |                         |            |                                |          |
| <b>Requirement: Trichloroethylene: 40 mg/kg;<br/>Benzylchloride: 50 mg/kg; Dyes: 100 mg/kg; Others: 5 mg/kg (for individual compound)</b>   |          |                         |            |                                |          |
| 1,2-Dichloroethane  | 107-06-2 | Methylene chloride      | 75-09-2    | Tetrachloroethylene (PERC)     | 127-18-4 |
| Trichloroethylene   | 79-01-6  | Benzylchloride          | 100-44-7   |                                |          |
| <b>12. Organotin Compounds (RL: TeET, TPT, TeBT, TeOT &amp; TCyHT: 1 mg/kg; Others: 5 mg/kg)</b>  |          |                         |            |                                |          |
| <b>Requirement: DBT: 20 mg/kg<sup>^</sup>; TeET, TPT, TeBT, TeOT &amp; TCyHT: 1 mg/kg;<br/>Others: 5 mg/kg (for individual compound)</b>    |          |                         |            |                                |          |
| <b><sup>^</sup>Leather processing: Exception 100ppm for polyurethane based thickeners used at &lt;20% loading)</b>                          |          |                         |            |                                |          |
| Dimethyltin (DMT)   | Multiple | Monomethyltin (MMT)     | Multiple   | Tributyltin (TBT)              | Multiple |
| Dibutyltin (DBT)  | Multiple | Monobutyltin (MBT)      | Multiple   | Trimethyltin (TMT)             | Multiple |
| Diocetyl tin (DOT)  | Multiple | Monooctyltin (MOT)      | Multiple   | Triocetyl tin (TOT)            | Multiple |
| Diphenyltin (DPHT)  | Multiple | Monophenyltin (MPHT)    | Multiple   | Triphenyltin (TPHT)            | Multiple |
| Dipropyltin (DPT)   | Multiple | Tetraethyltin (TeET)    | Multiple   | Tripropyltin (TPT)             | Multiple |
| Tetraoctyltin (TeOT)  | Multiple | Tetrabutyltin (TeBT)    | Multiple   | Tricyclohexyltin (TCyHT)       | Multiple |

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| 13. PAHs (RL: BaP: 16 mg/kg; Others 100 mg/kg)  |           |                          |  |                         |   |
|---|-----------|--------------------------|--|-------------------------|---|
| Requirement – Textile Processing Chemicals: BaP: 20 mg/kg; Sum of PAHs (except BaP): 200 mg/kg                      |           |                          |  |                         |   |
| Requirement – Leather Processing Chemicals: BaP: 20 mg/kg; Sum of PAHs (except BaP, NAP): 200 mg/kg; NAP: 300 mg/kg |           |                          |  |                         |   |
| Requirement – Polymers Processing Chemicals: BaP: 20 mg/kg  |           |                          |  |                         |   |
| Acenaphthene  | 83-32-9   | Benzo-[b]-fluoranthene   | 205-99-2   | Fluoranthene            | 206-44-0  |
| Acenaphthylene  | 208-96-8  | Benzo-[j]-fluoranthene   | 205-82-3   | Fluorene                | 86-73-7   |
| Anthracene  | 120-12-7  | Benzo-[k]-fluoranthene   | 207-08-9   | Indeno[1,2,3-cd]pyrene  | 193-39-5  |
| Benzo-[a]-pyrene (BaP)  | 50-32-8   | Benzo[ghi]perylene       | 191-24-2   | Naphthalene (NAP)       | 91-20-3   |
| Benzo-[e]-pyrene  | 192-97-2  | Chrysene                 | 218-01-9   | Pyrene                  | 129-00-0  |
| Benzo-[a]-anthracene  | 56-55-3   | Dibenzo-[a,h]-anthracene | 53-70-3  | Phenanthrene            | 85-01-8   |
| 14. PFCs (RL: PFOA: 25 ug/kg; Others: 1 mg/kg)  |           |                          |  |                         |   |
| Requirement: PFOS and related substances: 2 mg/kg; PFOA: 25 ug/kg; PFOA-related substance: 1 mg/kg                  |           |                          |  |                         |   |
| Perfluorooctane sulfonate (PFOS)  | 1763-23-1 | PFOS-related substances  | 2795-39-3;<br>29457-72-5;<br>29081-56-9;<br>70225-14-8;<br>56773-42-3; | PFOS-related substances | 4151-50-2;<br>31506-32-8;<br>1691-99-2;<br>24448-09-7;<br>307-35-7;<br>754-91-6 |
| Perfluorooctanoic acid (PFOA)   | 335-67-1  | PFOA-related substances  | 335-95-5;<br>2395-00-8;<br>335-93-3;<br>335-66-0;<br>3825-26-1         | PFOA-related substances | 39108-34-4;<br>376-27-2;<br>3108-24-5;<br>678-39-7;<br>27905-45-9;<br>1996-88-9 |

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| 15. Phthalates (RL: 100 mg/kg)   |             |                              |            |  |             |
|--|-------------|------------------------------|------------|--|-------------|
| Requirement: 250 mg/kg (sum of all phthalates)   |             |                              |            |  |             |
| Di(ethylhexyl) phthalate (DEHP)  | 117-81-7    | Di-n-hexyl phthalate (DnHP)  | 84-75-3    | Di-n-propyl phthalate (DPrP)   | 131-16-8    |
| Bis(2-methoxyethyl) phthalate (DMEP)   | 117-82-8    | Dibutyl phthalate (DBP)      | 84-74-2    | Di-iso-butyl phthalate (DIBP)  | 84-69-5     |
| Di-n-octyl phthalate (DNOP)  | 117-84-0    | Butyl benzyl phthalate (BBP) | 85-68-7    | Di-cyclohexyl phthalate (DCHP)   | 84-61-7     |
| Di-iso-decyl phthalate (DIDP)  | 26761-40-0  | Dinonyl phthalate (DNP)      | 84-76-4    | Di-iso-octyl phthalate (DIOP)  | 27554-26-3  |
| Di-iso-nonyl phthalate (DINP)  | 28553-12-0  | Diethyl phthalate (DEP)      | 84-66-2    | Di-C7-11 branched and linear alkyl esters (DHNUP)                      | 68515-42-4; |
| Diisoheptyl phthalate, di-C6-8 branched and linear alkyl esters, C7-rich (DIHP)  | 71888-89-6; | Dihexyl Phthalate (DHP)      | 68515-50-4 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (DPP) | 84777-06-0  |
| Diisopentylphthalate (DiIPP)   | 605-50-5    | Di-n-pentylphthalate (DnPP)  | 131-18-0   |  |             |
| 16. Total Heavy Metals (RL: As: 40 mg/kg; Cd: 16 mg/kg; Hg: 3 mg/kg; Pb: 80 mg/kg; CrVI: 8 mg/kg; Sb: 50 mg/kg; Cr, Ba, Ag: 100 mg/kg; Se: 20 mg/kg; Others: 250 mg/kg)  |             |                              |            |  |             |
| Requirement: As: 50 mg/kg; Cd: 20 mg/kg (Pigment: 50 mg/kg); Hg: 4 mg/kg (Pigment: 25 mg/kg); Pb, Ag: 100 mg/kg; CrVI: 10 mg/kg; Sb: Dye 50 mg/kg (Pigment: 250 mg/kg); Cr, Ba: Dye & Pigment 100 mg/kg; Se: Dye 20 mg/kg (Pigment: 100 mg/kg); Sn, Ni, Cu: Dyes 250 mg/kg; Co: Dye 500 mg/kg; |             |                              |            |  |             |
| Arsenic (As)   | 7440-38-2   | Cadmium (Cd)                 | 7440-43-9  | Mercury (Hg)   | 7439-97-6   |
| Lead (Pb)  | 7439-92-1   | Chromium (VI)                | 18540-29-9 | Antimony (Sb) ▼  | 7440-36-0   |
| Chromium ▼   | 7440-47-3   | Barium ▼                     | 7440-39-3  | Selenium ▼   | 7782-49-2   |
| Tin ▼  | 7440-31-5   | Nickel ▼                     | 7440-02-0  | Copper ▼   | 7440-50-8   |
| Cobalt ▼   | 7440-48-4   | Silver ▼                     | 7440-22-4  |  |             |
| ▼: The scope and requirement only applied to dye and/or pigment formulations.  |             |                              |            |  |             |

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| 17. VOCs (RL: Benzene: 50 mg/kg; Xylene, m/o/p-cresol: 400 mg/kg)  |            |   |                                   |   |                                   |
|--|------------|---|-----------------------------------|---|-----------------------------------|
| Requirement: Benzene: 50 mg/kg;<br>Others: 500 mg/kg (for individual compound)   |            |   |                                   |   |                                   |
| Benzene  | 71-43-2    | Xylene (m-/o-/p-Xylene)                             | 108-38-3;<br>95-47-6;<br>106-42-3 | m-/o-/p-cresol  | 108-39-4;<br>95-48-7;<br>106-44-5 |
| 18. Anti-Microbials & Biocides (RL: OPP: 500 mg/kg; Others: 200 mg/kg)   |            |   |                                   |   |                                   |
| Requirement – Textile Processing Chemicals: OPP: 5000 mg/kg; Triclosan: 250 mg/kg; Permethrin^: 250 mg/kg)   |            |   |                                   |   |                                   |
| Requirement – Leather and Polymers Processing Chemicals: OPP: Not applicable;<br>Triclosan: 250 mg/kg; Permethrin^: 250 mg/kg)<br>^Permethrin: except for specific processes |            |   |                                   |   |                                   |
| o-Phenylphenol (+salts)  | 90-43-7    | Permethrin  | Multiple                          | Triclosan   | 3380-34-5                         |
| 19. Others (RL: BPA, AEEA: 100 mg/kg; Others: 500 mg/kg; Silica: Not applicable)   |            |   |                                   |   |                                   |
| Requirement – Textile Processing Chemicals: BPA, AEEA: 100 mg/kg; Others: 1000 mg/kg; Silica: Not applicable;  |            |   |                                   |   |                                   |
| Requirement – Leather Processing Chemicals: BPA, AEEA: 100mg/kg; Others: 1000 mg/kg; Silica: Not applicable;   |            |   |                                   |   |                                   |
| Requirement – Polymers Processing Chemicals: BPA, Silica: Not applicable; AEEA: 100 mg/kg; Others: 1000 mg/kg  |            |   |                                   |   |                                   |
| Borate, zinc salt  | 12767-90-7 | Bisphenol A (BPA)                                   | 80-05-7                           | Thiourea  | 62-56-6                           |
| Quinoline  | 91-22-5    | 2-(2-aminoethylamino)ethanol (AEEA)                 | 111-41-1                          | Silica (particles of respirable size)                           | 14464-46-1                        |
| 20. UV absorbers (RL: 500 mg/kg)   |            |   |                                   |   |                                   |
| Requirement: 1000 mg/kg (for individual compound)  |            |   |                                   |   |                                   |
| 2-(2H-benzotriazol-2-yl)-4-(tertbutyl)-6-(sec-butyl)phenol (UV-350)  | 36437-37-3 | 2-benzotriazol-2-yl-4,6-di-tertbutylphenol (UV-320) | 3846-71-7                         | 2,4-Di-tert-butyl-6-(5-chlorobenzotriazole-2-yl)phenol (UV-327) | 3864-99-1                         |
| 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)   | 25973-55-1 |   |                                   |   |                                   |

**Notes:**

1. RL = Reporting Limit. All RL are based on homogenous material.

Above test items were tested by relevant SGS laboratory.

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

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