



Test Report

REPORT NO 1001188852

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To: Sri Saravana Mills Pvt Ltd
Unit: SSM Fine yarns
Eluvanampatti Village, Batlagundu PO,
Dindigul Dist
Tamil Nadu 624202
India

Received Date: Apr 6, 2021
Date In: Apr 6, 2021
Test Date: Apr 6, 2021 - Apr 27, 2021
Report Date: May 4, 2021

ATTN: 9597992244
mraghu@ssm-india.com

Buyer Name: Sri Saravana Mills Pvt Ltd
Address: Unit: SSM Fine yarns
Eluvanampatti Village, Batlagundu PO,
Dindigul Dist
Tamil Nadu 624202
India

SAMPLE INFORMATION:	
Submitted Sample Description	3785161:DISCHARGED WASTE WATER (AFTER ETP),3785203:RAW WASTE WATER (BEFORE ETP)
ULR code	TC622121100004483F
Color(s)	3785161:CLEAR WATER AS COMPOSITE SAMPLING,3785203:OLIVE WATER AS COMPOSITE SAMPLING
Sampling Date	03/04/2021
Laboratory Received Date	05/04/2021
Sampling By	SR.TESTING TECHNOLOGIST
GPS Points	10.139297,77.681832
Testing Periods	05/04/2021-27/04/2021
Submitted care instructions	/

Sample description assigned by laboratory:

Number of Samples: 2

Sample Number:	Description:
3785161	DISCHARGED WASTE WATER (AFTER ETP)
3785203	RAW WASTE WATER (BEFORE ETP)

TEST	3785161	3785203
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TEST	3785161	3785203
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs) Content(With Reference to ISO 18857-2, ISO 18254-1, followed by LCMS analysis)	Comply	Comply
Azo Dyes Content(With reference to EN 14362-1&3 and followed by GCMS &/or LCMS Analysis)	Comply	Comply
Chlorinated Paraffins Content(With reference USEPA 8270D, Solvent extraction with GCECD/MS &/ LCMS analysis)	Comply	Comply
Chlorophenols Content(With reference USEPA 8270D, Solvent extraction and derivatisation with KOH, acetic anhydride followed by GCMS analysis)	Comply	Comply
Allergenic Disperse Dyes Content(Solvent extraction with LCMS analysis)	Comply	Comply
Carcinogenic Dyes Content(Solvent extraction with LCMS analysis)	Comply	Comply
Flame Retardants Content(With reference to USEPA 8270, USEPA 527, USEPA 8321B Solvent extraction followed by GC/MS & LCMS analysis)	Comply	Comply
Total Heavy Metals Content(With reference to USEPA 200.7, USEPA 200.8, USEPA 6010c, USEPA 6020a, Acid Digestion with ICP analysis or For Cr VI, with reference to USEPA 218.6 derivatisation followed by UV analysis)	Comply	Comply
Chlorobenzenes and Chlorotoluenes Content(With reference USEPA 8260B & 8270D, Solvent extraction with GCMS analysis)	Comply	Comply
Organotin Compounds Content(With reference to ISO 17353 and followed by GCMS analysis)	Comply	Comply
Polycyclic Aromatic Hydrocarbons (PAHs) Content(With reference USEPA 8270, Solvent extraction with GCMS analysis)	Comply	Comply
Phthalates Content(With reference to USEPA 8270D, Solvent extraction followed by GC/MS analysis)	Comply	Comply
Halogenated Solvents Content(With reference USEPA 8260B, analysis by GCMS with Headspace)	Comply	Comply
Volatile Organic Compounds (VOC) Content(With reference USEPA 8260, analysis by GCMS with Headspace)	Comply	Comply
Absorbable Organic Halogens (AOX)*	Comply	-
Ammonium as N*	Comply	-
Biological Oxygen Demand (BOD)*	Comply	-
Chemical Oxygen Demand (COD)*	Comply	-
Coliform*	Comply	-
Colour (436, 525, 620nm)*	Comply	-
Cyanide*	Comply	-
Oil and Grease*	Comply	-
Persistent Foam*	Comply	-

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TEST	3785161	3785203
Sulfide*	Comply	-
Sulfite*	Comply	-
Temperature*	Not Comply	-
Total Nitrogen as N*	Comply	-
Total Phenol*	Comply	-
Total Phosphorus as P*	Comply	-
Total Suspended Solids (TSS)*	Comply	-
pH Value*	Comply	-
Glycols Content(With reference USEPA 8270, Solvent extraction followed by GCMS or LCMS analysis)*	Comply	Comply
Perfluorinated Compounds (PFCs) Content(With reference CEN/TS 15968, USEPA 537, Solvent extraction followed by GCMS or LCMS analysis)*	Comply	Comply

Note: NC = No Comment; NA = Not Applicable; NR = Not Requested; NT = Not Tested; Ref Only = Reference only; ** = test result(s) will be added later; * = Non_Accredited Test

Note:

1. The results relate only to the items tested
2. Test covered under NABL scope is having the NABL symbol in respective page.
3. All conventional tests parameter subcontract to ISO 17025 lab.
4. Tests has been performed as per ZDHC Wastewater Guidelines version 1.1 (July 2019).

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Approved By

SHASHI ROUT

Operation Manager

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Test Performed: Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs) Content(With Reference to ISO 18857-2, ISO 18254-1, followed by LCMS analysis)

Test Method : With reference to ISO 18857-2, ISO 18254-1, followed by LCMS analysis.

Sample Number:	3785161	3785203	
	Result	Result	Requirements
Octylphenol (OP)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
Nonylphenol (NP)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
OPEO, n=1-2	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
OPEO, n>2	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
NPEO, n=1-2	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
NPEO, n>2	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
Conclusion	Comply	Comply	

Remark:

- Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number.
- "<" means less than; "≤" means less than or equal to.
- "µg/L" means micrograms per liter.

Test Performed: Azo Dyes Content(With reference to EN 14362-1&3 and followed by GCMS &/or LCMS Analysis)

Test Method: With reference to EN 14362-1&3 and followed by GCMS &/or LCMS Analysis.

Sample Number:	3785161	3785203	
	Result	Result	Requirements
benzidine	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
4-aminodiphenyl	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
4-chloro-o-toluidine	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
2-naphthylamine	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
o-aminoazotoluene	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
5-nitro-o-toluidine	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
4-chloroaniline	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
4-methoxy-m-phenylenediamine	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
4,4-diaminodiphenylmethane	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
3,3-dichlorobenzidine	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L

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Test Performed: Azo Dyes Content(With reference to EN 14362-1&3 and followed by GCMS &/or LCMS Analysis)

3,3-dimethoxybenzidine	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
3,3-dimethylbenzidine	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
4,4-methylenedi-o-toluidine	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
p-cresidine	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
4,4-methylene-bis-(2-chloroaniline)	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
4,4-oxydianiline	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
4,4-thiodianiline	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
o-toluidine	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
2,4,5-trimethylaniline	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
4-methyl-m-phenylenediamine	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
o-anisidine	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
2,4-xylidine	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
2,6-xylidine	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
4-aminoazobenzene	<0.1 µg/L	<0.1 µg/L	< 0.1 µg/L
Conclusion	Comply	Comply	

Remark:

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benzidine (CAS No. 92-87-5); 4-aminodiphenyl (CAS No. 92-67-1); 4-chloro-o-toluidine (CAS No. 95-69-2); 2-naphthylamine (CAS No. 91-59-8); o-aminoazotoluene (CAS No. 97-56-3); 5-nitro-o-toluidine (CAS No. 99-55-8); 4-chloroaniline (CAS No. 106-47-8); 4-methoxy-m-phenylenediamine (CAS No. 615-05-4); 4,4-diaminodiphenylmethane (CAS No. 101-77-9); 3,3-dichlorobenzidine (CAS No. 91-94-1); 3,3-dimethoxybenzidine (CAS No. 119-90-4); 3,3-dimethylbenzidine (CAS No. 119-93-7); 4,4-methylenedi-o-toluidine (CAS No. 838-88-0); p-cresidine (CAS No. 120-71-8); 4,4-methylene-bis-(2-chloroaniline) (CAS No. 101-14-4); 4,4-oxydianiline (CAS No. 101-80-4); 4,4-thiodianiline (CAS No. 139-65-1); o-toluidine (CAS No. 95-53-4); 2,4,5-trimethylaniline (CAS No. 137-17-7); 4-methyl-m-phenylenediamine (CAS No. 95-80-7); o-anisidine (CAS No. 90-04-0); 2,4-xylidine (CAS No. 95-68-1); 2,6-xylidine (CAS No. 87-62-7); 4-aminoazobenzene (CAS No. 60-09-3);

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Test Performed: Chlorinated Paraffins Content(With reference USEPA 8270D, Solvent extraction with GCECD/MS & LCMS analysis)

Test Method : With reference to USEPA 8270, USEPA 527, USEPA 8321B Solvent extraction followed by GC/MS & LCMS

Sample Number:	3785161	3785203	
	Result	Result	Requirements
SCCP	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
Conclusion	Comply	Comply	

Remark:

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Test Performed: Chlorophenols Content(With reference USEPA 8270D, Solvent extraction and derivatisation with KOH, acetic anhydride followed by GCMS analysis)

Test Method: With reference USEPA 8270D, Solvent extraction and derivatization with KOH, acetic anhydride followed by GCMS analysis

Sample Number:	3785161	3785203	
	Result	Result	Requirements
PCP	<0.5 µg/L	<0.5 µg/L	< 0.5 µg/L
2,3,5,6-Tetrachlorophenol	<0.5 µg/L	<0.5 µg/L	< 0.5 µg/L
2,3,4,6-Tetrachlorophenol	<0.5 µg/L	<0.5 µg/L	< 0.5 µg/L
2,3,4,5-Tetrachlorophenol	<0.5 µg/L	<0.5 µg/L	< 0.5 µg/L
2,4,6-Trichlorophenol	<0.5 µg/L	<0.5 µg/L	< 0.5 µg/L
2,4,5-Trichlorophenol	<0.5 µg/L	<0.5 µg/L	< 0.5 µg/L
2,3,4-Trichlorophenol	<0.5 µg/L	<0.5 µg/L	< 0.5 µg/L
2,3,5-Trichlorophenol	<0.5 µg/L	<0.5 µg/L	< 0.5 µg/L
3,4,5-Trichlorophenol	<0.5 µg/L	<0.5 µg/L	< 0.5 µg/L
2,3,6-Trichlorophenol	<0.5 µg/L	<0.5 µg/L	< 0.5 µg/L
2,3-Dichlorophenol	<0.5 µg/L	<0.5 µg/L	< 0.5 µg/L
2,4-Dichlorophenol	<0.5 µg/L	<0.5 µg/L	< 0.5 µg/L
2,5-Dichlorophenol	<0.5 µg/L	<0.5 µg/L	< 0.5 µg/L
2,6-Dichlorophenol	<0.5 µg/L	<0.5 µg/L	< 0.5 µg/L
3,4-Dichlorophenol	<0.5 µg/L	<0.5 µg/L	< 0.5 µg/L
3,5-Dichlorophenol	<0.5 µg/L	<0.5 µg/L	< 0.5 µg/L
2-Chlorophenol	<0.5 µg/L	<0.5 µg/L	< 0.5 µg/L
3-Chlorophenol	<0.5 µg/L	<0.5 µg/L	< 0.5 µg/L
4-Chlorophenol	<0.5 µg/L	<0.5 µg/L	< 0.5 µg/L
Conclusion	Comply	Comply	

Remark:

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Test Performed: Allergenic Disperse Dyes Content(Solvent extraction with LCMS analysis)

Test Method : Solvent extraction and analyzed with LC-MS.

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Test Performed: Allergenic Disperse Dyes Content(Solvent extraction with LCMS analysis)		
Sample Number:	3785161	
	Result	Requirements
C.I. Disperse Blue 7 (CAS 3179-90-6)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Blue 26 (CAS 3860-63-7)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Blue 35 (CAS 12222-75-2)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Blue 35 (CAS 56524-77-7/CAS 56524-76-6)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Blue 102 (CAS 12222-97-8)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Blue 106 (CAS 12223-01-7)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Blue 124 (CAS 61951-51-7)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Brown 1 (CAS 23355-64-8)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Orange 1 (CAS 2581-69-3)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Orange 3 (CAS 730-40-5)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Orange 37/59/76 (CAS 12223-33-5/ 13301-61-6/ 51811-42-8)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Red 1 (CAS 2872-52-8)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Red 11 (CAS 2872-48-2)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Red 17 (CAS 3179-89-3)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Yellow 1 (CAS 119-15-3)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Yellow 3 (CAS 2832-40-8)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Yellow 9 (CAS 6373-73-5)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Yellow 39 (CAS 12236-29-2)	<50.0 µg/L	< 50.0 µg/L

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Test Performed: Allergenic Disperse Dyes Content(Solvent extraction with LCMS analysis)		
C.I. Disperse Yellow 49 (CAS 54824-37-2)	<50.0 µg/L	< 50.0 µg/L
Blue colorant (CAS 118685-33-9)	<50.0 µg/L	< 50.0 µg/L
Conclusion	Comply	
Sample Number:	3785203	
	Result	Requirements
C.I. Disperse Blue 7 (CAS 3179-90-6)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Blue 26 (CAS 3860-63-7)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Blue 35 (CAS 12222-75-2)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Blue 35 (CAS 56524-77-7/CAS 56524-76-6)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Blue 102 (CAS 12222-97-8)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Blue 106 (CAS 12223-01-7)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Blue 124 (CAS 61951-51-7)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Brown 1 (CAS 23355-64-8)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Orange 1 (CAS 2581-69-3)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Orange 3 (CAS 730-40-5)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Orange 37/59/76 (CAS 12223-33-5/ 13301-61-6/ 51811-42-8)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Red 1 (CAS 2872-52-8)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Red 11 (CAS 2872-48-2)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Red 17 (CAS 3179-89-3)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Yellow 1 (CAS 119-15-3)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Yellow 3 (CAS 2832-40-8)	<50.0 µg/L	< 50.0 µg/L

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Test Performed: Allergenic Disperse Dyes Content(Solvent extraction with LCMS analysis)		
C.I. Disperse Yellow 9 (CAS 6373-73-5)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Yellow 39 (CAS 12236-29-2)	<50.0 µg/L	< 50.0 µg/L
C.I. Disperse Yellow 49 (CAS 54824-37-2)	<50.0 µg/L	< 50.0 µg/L
Blue colorant (CAS 118685-33-9)	<50.0 µg/L	< 50.0 µg/L
Conclusion	Comply	
Remark:		
1. Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number.		
2. "<" means less than; "≤" means less than or equal to.		
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Test Performed: Carcinogenic Dyes Content(Solvent extraction with LCMS analysis)		
Test Method : Solvent extraction and analyzed with LC-MS.		
Sample Number:	3785161	
	Result	Requirements
C.I. Disperse Blue 1 (CAS 2475-45-8)	<500.0 µg/L	< 500.0 µg/L
C.I. Disperse Blue 3 (CAS 2475-46-9)	<500.0 µg/L	< 500.0 µg/L
C.I. Disperse Orange 11 (CAS 82-28-0)	<500.0 µg/L	< 500.0 µg/L
C.I. Acid Red 26 (CAS 3761-53-3)	<500.0 µg/L	< 500.0 µg/L
C.I. Basic Blue 26 (CAS 2580-56-5)	<500.0 µg/L	< 500.0 µg/L
C.I. Basic Red 9 (CAS 569-61-9)	<500.0 µg/L	< 500.0 µg/L
C.I. Basic Green 4 (malachite green chloride)(CAS 569-64-2)	<500.0 µg/L	< 500.0 µg/L
C.I. Basic Green 4 (malachite green oxalate)(CAS 2437-29-8)	<500.0 µg/L	< 500.0 µg/L
C.I. Basic Green 4 (malachite green)(CAS 10309-95-2)	<500.0 µg/L	< 500.0 µg/L
C.I. Basic Violet 14 (CAS 632-99-5)	<500.0 µg/L	< 500.0 µg/L
C.I. Direct Black 38 (CAS 1937-37-7)	<500.0 µg/L	< 500.0 µg/L
C.I. Direct Blue 6 (CAS 2602-46-2)	<500.0 µg/L	< 500.0 µg/L
C.I. Direct Red 28 (CAS 573-58-0)	<500.0 µg/L	< 500.0 µg/L

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Test Performed: Carcinogenic Dyes Content(Solvent extraction with LCMS analysis)		
Conclusion	Comply	
Sample Number:	3785203	
	Result	Requirements
C.I. Disperse Blue 1 (CAS 2475-45-8)	<500.0 µg/L	< 500.0 µg/L
C.I. Disperse Blue 3 (CAS 2475-46-9)	<500.0 µg/L	< 500.0 µg/L
C.I. Disperse Orange 11 (CAS 82-28-0)	<500.0 µg/L	< 500.0 µg/L
C.I. Acid Red 26 (CAS 3761-53-3)	<500.0 µg/L	< 500.0 µg/L
C.I. Basic Blue 26 (CAS 2580-56-5)	<500.0 µg/L	< 500.0 µg/L
C.I. Basic Red 9 (CAS 569-61-9)	<500.0 µg/L	< 500.0 µg/L
C.I. Basic Green 4 (malachite green chloride)(CAS 569-64-2)	<500.0 µg/L	< 500.0 µg/L
C.I. Basic Green 4 (malachite green oxalate)(CAS 2437-29-8)	<500.0 µg/L	< 500.0 µg/L
C.I. Basic Green 4 (malachite green)(CAS 10309-95-2)	<500.0 µg/L	< 500.0 µg/L
C.I. Basic Violet 14 (CAS 632-99-5)	<500.0 µg/L	< 500.0 µg/L
C.I. Direct Black 38 (CAS 1937-37-7)	<500.0 µg/L	< 500.0 µg/L
C.I. Direct Blue 6 (CAS 2602-46-2)	<500.0 µg/L	< 500.0 µg/L
C.I. Direct Red 28 (CAS 573-58-0)	<500.0 µg/L	< 500.0 µg/L
Conclusion	Comply	
Remark:		
1. Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number.		
2. "<" means less than; "≤" means less than or equal to.		
3. "µg/L" means micrograms per liter.		

Test Performed: Flame Retardants Content(With reference to USEPA 8270, USEPA 527, USEPA 8321B Solvent extraction followed by GC/MS & LCMS analysis)			
Sample Number:	3785161	3785203	
	Result	Result	Requirements
Hexabromocyclododecane (HBCDD)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
Pentabromo diphenyl ether (PentaBDE)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L

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Test Performed: Flame Retardants Content(With reference to USEPA 8270, USEPA 527, USEPA 8321B Solvent extraction followed by GC/MS & LCMS analysis)			
Octabromodiphenyl ether (OctaBDE)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
Decabromodiphenyl ether (DecaDBE)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
Polybrominatedbiphenyl (PBB)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
Monobromobiphenyls (MonoBB)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
Dibromobiphenyls (DiBB)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
Tribromobiphenyls (TriBB)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
Tetrabromobiphenyls (TetraBB)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
Pentabrombiphenyls (PentaBB)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
Hexabromobiphenyls (HexaBB)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
Heptabromobiphenyls (HeptaBB)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
Octabromobiphenyls (OctaBB)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
Nonabromobiphenyls (NonaBB)	<5.0 µg/L	<5.0 µg/L	-
Decabromobiphenyls (DecaBB)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
2,2-Bis(bromomethyl)propan-1,3-diol (BBMP)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
Bis (2,3-dibromopropyl) phosphate (BDBPP)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
Tris- (2,3 Dibromopropyl) phosphate (TRIS)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
Tris-aziridinyl phosphine oxide (TEPA)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
Tetrabromo Bisphenol A (TBBPA)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L

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Test Performed: Flame Retardants Content(With reference to USEPA 8270, USEPA 527, USEPA 8321B Solvent extraction followed by GC/MS & LCMS analysis)

Tris(2-chloroethyl)phosphate (TCEP)	<5.0 µg/L	<5.0 µg/L	-
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	<5.0 µg/L	<5.0 µg/L	< 5.0 µg/L
Conclusion	Comply	Comply	

Remark:

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3. "µg/L" means micrograms per liter.

Hexabromocyclododecane (HBCDD) (CAS No. 25637-99-4/3194-55-6); Pentabromo diphenyl ether (PentaBDE) (CAS No. 32534-81-9); Octabromodiphenyl ether (OctaBDE) (CAS No. 32536-52-0); Decabromodiphenyl Ether (DecaDBE) (CAS No. 1163-19-5); Polybrominatedbiphenyl (PBB) (CAS No. 59536-65-1); Monobromobiphenyls (MonoBB) (CAS No. 26264-10-8); Dibromobiphenyls (DiBB) (CAS No. 27479-65-8); Tribromobiphenyls (TriBB) (CAS No. 51202-79-0); Tetrabromobiphenyls (TetraBB) (CAS No. 40088-45-7); Pentabromobiphenyls (PentaBB) (CAS No. 56307-79-0); Hexabromobiphenyls (HexaBB) (CAS No. 36355-01-8); Heptabromobiphenyls (HeptaBB) (CAS No. 35194-78-6); Octabromobiphenyls (OctaBB) (CAS No. 27858-07-7); Nonabromobiphenyls (NonaBB) (CAS No. 27753-52-2); Decabromobiphenyls (DecaBB) (CAS No. 13654-09-6); 2,2-Bis(bromomethyl)propan-1,3-diol (BBMP) (CAS No. 3296-90-0); Bis (2,3-dibromopropyl) phosphate (BDBPP) (CAS No. 5412-25-9); Tris- (2,3 Dibromopropyl) phosphate (TRIS) (CAS No. 126-72-7); Tris-aziridinyl phosphine oxide (TEPA) (CAS No. 545-55-1); Tetrabromo Bisphenol A (TBBPA) (CAS No. 79-94-7); Tris(2-chloroethyl)phosphate (TCEP) (CAS No. 115-96-8); Tris(1,3-dichloro-2-propyl) phosphate (TDCPP) (CAS No. 13674-87-8);

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Test Performed: Total Heavy Metals Content(With reference to USEPA 200.7, USEPA 200.8, USEPA 6010c, USEPA 6020a, Acid Digestion with ICP analysis or For Cr VI, with reference to USEPA 218.6 derivatisation followed by UV analysis)

Sample Number:	3785161	3785203	
	Result	Result	Requirements
Antimony (Sb)	<0.01 mg/L	<0.01 mg/L	≤ 0.1 mg/L
Arsenic (As)	<0.005 mg/L	<0.005 mg/L	≤ 0.05 mg/L
Cadmium (Cd)	<0.01 mg/L	<0.01 mg/L	≤ 0.1 mg/L
Total Chromium (Cr)	<0.05 mg/L	<0.05 mg/L	≤ 0.2 mg/L
Hexavalent Chromium (CrVI)	<0.001 mg/L	<0.001 mg/L	≤ 0.05 mg/L
Cobalt (Co)	<0.01 mg/L	<0.01 mg/L	≤ 0.05 mg/L
Copper (Cu)	<0.25 mg/L	<0.25 mg/L	≤ 1.0 mg/L
Lead (Pb)	<0.01 mg/L	<0.01 mg/L	≤ 0.1 mg/L
Mercury (Hg)	<0.001 mg/L	<0.001 mg/L	≤ 0.01 mg/L
Nickel (Ni)	<0.05 mg/L	<0.05 mg/L	≤ 0.2 mg/L
Silver (Hg)	<0.001 mg/L	<0.001 mg/L	≤ 0.1 mg/L
Zinc (Zn)	<0.50 mg/L	<0.50 mg/L	≤ 5.0 mg/L
Conclusion	Comply	Comply	

Remark:

1. Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number.
2. "<" means less than; "≤" means less than or equal to.
3. "mg/L" means milligrams per liter.

Test Performed: Chlorobenzenes and Chlorotoluenes Content(With reference USEPA 8260B & 8270D, Solvent extraction with GCMS analysis)

Sample Number:	3785161	3785203	
	Result	Result	Requirements
Monochlorobenzene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
1,2-Dichlorobenzene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
1,3-Dichlorobenzene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
1,4-Dichlorobenzene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
1,2,3-Trichlorobenzene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
1,2,4-Trichlorobenzene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
1,3,5-Trichlorobenzene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
1,2,3,4-Tetrachlorobenzene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
1,2,3,5-Tetrachlorobenzene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L

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Test Performed: Chlorobenzenes and Chlorotoluenes Content(With reference USEPA 8260B & 8270D, Solvent extraction with GCMS analysis)

1,2,4,5-Tetrachlorobenzene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
Pentachlorobenzene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
Hexachlorobenzene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
2-Chlorotoluene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
3-Chlorotoluene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
4-Chlorotoluene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
2,3-Dichlorotoluene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
2,5-Dichlorotoluene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
2,6-Dichlorotoluene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
2,4-Dichlorotoluene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
3,4-Dichlorotoluene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
3,5-Dichlorotoluene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
2,3,6-Trichlorotoluene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
2,4,5-Trichlorotoluene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
2,3,4-Trichlorotoluene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
3,4,5-Trichlorotoluene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
2,4,6-Trichlorotoluene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
2,3,4,5-Tetrachlorotoluene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
2,3,4,6-Tetrachlorotoluene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
2,3,5,6-Tetrachlorotoluene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
2,3,4,5,6-Pentachlorotoluene	<0.2 µg/L	<0.2 µg/L	< 0.2 µg/L
Conclusion	Comply	Comply	

Remark:

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3. "µg/L" means micrograms per liter.

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Test Performed: Chlorobenzenes and Chlorotoluenes Content(With reference USEPA 8260B & 8270D, Solvent extraction with GCMS analysis)

Monochlorobenzene (CAS No. 108-90-7); 1,2-Dichlorobenzene (CAS No. 95-50-1); 1,3-Dichlorobenzene (CAS No. 541-73-1); 1,4-Dichlorobenzene (CAS No. 106-46-7); 1,2,3-Trichlorobenzene (CAS No. 87-61-6); 1,2,4-Trichlorobenzene (CAS No. 120-82-1); 1,3,5-Trichlorobenzene (CAS No. 108-70-3); 1,2,3,4-Tetrachlorobenzene (CAS No. 634-66-2); 1,2,3,5-Tetrachlorobenzene (CAS No. 634-90-2); 1,2,4,5-Tetrachlorobenzene (CAS No. 95-94-3); Pentachlorobenzene (CAS No. 608-93-5); Hexachlorobenzene (CAS No. 118-74-1); 2-Chlorotoluene (CAS No. 95-49-8); 3-Chlorotoluene (CAS No. 108-41-8); 4-Chlorotoluene (CAS No. 106-43-4); 2,3-Dichlorotoluene (CAS No. 32768-54-0); 2,5-Dichlorotoluene (CAS No. 19398-61-9); 2,6-Dichlorotoluene (CAS No. 118-69-4); 2,4-Dichlorotoluene (CAS No. 95-73-8); 3,4-Dichlorotoluene (CAS No. 95-75-0); 3,5-Dichlorotoluene (CAS No. 25186-47-4); 2,3,6-Trichlorotoluene (CAS No. 2077-46-5); 2,4,5-Trichlorotoluene (CAS No. 6639-30-1); 2,3,4-Trichlorotoluene (CAS No. 7359-72-0); 3,4,5-Trichlorotoluene (CAS No. 21472-86-6); 2,4,6-Trichlorotoluene (CAS No. 23749-65-7); 2,3,4,5-Tetrachlorotoluene (CAS No. 76057-12-0); 2,3,4,6-Tetrachlorotoluene (CAS No. 875-40-1); 2,3,5,6-Tetrachlorotoluene (CAS No. 29733-70-8); 2,3,4,5,6-Pentachlorotoluene (CAS No. 877-11-2);

Test Performed: Organotin Compounds Content(With reference to ISO 17353 and followed by GCMS analysis)

Test Method : With reference to ISO 17353 and following by GC-MS analysis

Sample Number:	3785161	
	Result	Requirements
Monobutyltin (MBT)	<0.01 µg/L	< 0.01 µg/L
Dibutyltin (DBT)	<0.01 µg/L	< 0.01 µg/L
Tributyltin (TBT)	<0.01 µg/L	< 0.01 µg/L
Tetrabutyltin (TeBT)	<0.01 µg/L	< 0.01 µg/L
Triphenyltin (TPhT)	<0.01 µg/L	< 0.01 µg/L
Monooctyltin (MOT)	<0.01 µg/L	< 0.01 µg/L
Diocetyl tin (DOT)	<0.01 µg/L	< 0.01 µg/L
Tricyclohexyltin (TCyT)	<0.01 µg/L	< 0.01 µg/L
Triocetyl tin (TOcT)	<0.01 µg/L	< 0.01 µg/L
Tributyltin oxide (TBTO)	<0.01 µg/L	< 0.01 µg/L
Tripropyltin (TPrT)	<0.01 µg/L	< 0.01 µg/L
Diphenyltin (DPhT)	<0.01 µg/L	< 0.01 µg/L
Dimethyltin (DMT)	<0.01 µg/L	< 0.01 µg/L
Trimethyltin (TMT)	<0.01 µg/L	< 0.01 µg/L
Tetraethyltin (TeET)	<0.01 µg/L	< 0.01 µg/L
Dibutyltin dichloride (DBTC)	<0.01 µg/L	< 0.01 µg/L
Triphenyltin(1+)	<0.01 µg/L	< 0.01 µg/L
Dibutyltin hydrogen borate (DBB)	<0.01 µg/L	< 0.01 µg/L
Conclusion	Comply	
Sample Number:	3785203	

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Test Performed: Organotin Compounds Content(With reference to ISO 17353 and followed by GCMS analysis)

	Result	Requirements
Monobutyltin (MBT)	<0.01 µg/L	< 0.01 µg/L
Dibutyltin (DBT)	<0.01 µg/L	< 0.01 µg/L
Tributyltin (TBT)	<0.01 µg/L	< 0.01 µg/L
Tetrabutyltin (TeBT)	<0.01 µg/L	< 0.01 µg/L
Triphenyltin (TPhT)	<0.01 µg/L	< 0.01 µg/L
Monooctyltin (MOT)	<0.01 µg/L	< 0.01 µg/L
Dioctyltin (DOT)	<0.01 µg/L	< 0.01 µg/L
Tricyclohexyltin (TCyT)	<0.01 µg/L	< 0.01 µg/L
Trioctyltin (TOcT)	<0.01 µg/L	< 0.01 µg/L
Tributyltin oxide (TBTO)	<0.01 µg/L	< 0.01 µg/L
Tripropyltin (TPrT)	<0.01 µg/L	< 0.01 µg/L
Diphenyltin (DPhT)	<0.01 µg/L	< 0.01 µg/L
Dimethyltin (DMT)	<0.01 µg/L	< 0.01 µg/L
Trimethyltin (TMT)	<0.01 µg/L	< 0.01 µg/L
Tetraethyltin (TeET)	<0.01 µg/L	< 0.01 µg/L
Dibutyltin dichloride (DBTC)	<0.01 µg/L	< 0.01 µg/L
Triphenyltin(1+)	<0.01 µg/L	< 0.01 µg/L
Dibutyltin hydrogen borate (DBB)	<0.01 µg/L	< 0.01 µg/L
Conclusion	Comply	

Remark:

1. Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number.
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3. "µg/L" means micrograms per liter.

Test Performed: Polycyclic Aromatic Hydrocarbons (PAHs) Content(With reference USEPA 8270, Solvent extraction with GCMS analysis)

Test Method : With reference to EPA 8270 and detection with GC-MS

Sample Number:	3785161	
	Result	Requirements
Acenaphthylene	<1.0 µg/L	< 1.0 µg/L
Acenaphthene	<1.0 µg/L	< 1.0 µg/L
Fluorene	<1.0 µg/L	< 1.0 µg/L

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Test Performed: Polycyclic Aromatic Hydrocarbons (PAHs) Content(With reference USEPA 8270, Solvent extraction with GCMS analysis)

Phenanthrene	<1.0 µg/L	< 1.0 µg/L
Anthracene	<1.0 µg/L	< 1.0 µg/L
Fluoranthene	<1.0 µg/L	< 1.0 µg/L
Pyrene	<1.0 µg/L	< 1.0 µg/L
Naphthalene	<1.0 µg/L	< 1.0 µg/L
Benzo(a)anthracene	<1.0 µg/L	< 1.0 µg/L
Chrysene	<1.0 µg/L	< 1.0 µg/L
Benzo(b)fluoranthene	<1.0 µg/L	< 1.0 µg/L
Benzo(k)fluoranthene	<1.0 µg/L	< 1.0 µg/L
Benzo(a)pyrene	<1.0 µg/L	< 1.0 µg/L
Dibenzo(a,h)anthracene	<1.0 µg/L	< 1.0 µg/L
Benzo(g,h,i)perylene	<1.0 µg/L	< 1.0 µg/L
Indeno(123-cd)pyrene	<1.0 µg/L	< 1.0 µg/L
Benzo(e)pyrene	<1.0 µg/L	< 1.0 µg/L
Benzo(j)fluoranthene	<1.0 µg/L	< 1.0 µg/L
Conclusion	Comply	
Sample Number:	3785203	
	Result	Requirements
Acenaphthylene	<1.0 µg/L	< 1.0 µg/L
Acenaphthene	<1.0 µg/L	< 1.0 µg/L
Fluorene	<1.0 µg/L	< 1.0 µg/L
Phenanthrene	<1.0 µg/L	< 1.0 µg/L
Anthracene	<1.0 µg/L	< 1.0 µg/L
Fluoranthene	<1.0 µg/L	< 1.0 µg/L
Pyrene	<1.0 µg/L	< 1.0 µg/L
Naphthalene	<1.0 µg/L	< 1.0 µg/L
Benzo(a)anthracene	<1.0 µg/L	< 1.0 µg/L
Chrysene	<1.0 µg/L	< 1.0 µg/L
Benzo(b)fluoranthene	<1.0 µg/L	< 1.0 µg/L
Benzo(k)fluoranthene	<1.0 µg/L	< 1.0 µg/L
Benzo(a)pyrene	<1.0 µg/L	< 1.0 µg/L
Dibenzo(a,h)anthracene	<1.0 µg/L	< 1.0 µg/L
Benzo(g,h,i)perylene	<1.0 µg/L	< 1.0 µg/L
Indeno(123-cd)pyrene	<1.0 µg/L	< 1.0 µg/L

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Test Performed: Polycyclic Aromatic Hydrocarbons (PAHs) Content(With reference USEPA 8270, Solvent extraction with GCMS analysis)

Benzo(e)pyrene	<1.0 µg/L	< 1.0 µg/L
Benzo(j)fluoranthene	<1.0 µg/L	< 1.0 µg/L
Conclusion	Comply	

Remark:

1. Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number.
2. "<" means less than; "≤" means less than or equal to.
3. "µg/L" means micrograms per liter.

Acenaphthylene (CAS No. 208-96-8); Acenaphthene (CAS No. 83-32-9); Fluorene (CAS No. 86-73-7); Phenanthrene (CAS No. 85-01-8); Anthracene (CAS No. 120-12-7); Fluoranthene (CAS No. 206-44-0); Pyrene (CAS No. 129-00-0); Naphthalene (CAS No. 91-20-3); Benzo(a)anthracene (CAS No. 56-55-3); Chrysene (CAS No. 218-01-9); Benzo(b)fluoranthene (CAS No. 205-99-2); Benzo(k)fluoranthene (CAS No. 207-08-9); Benzo(a)pyrene (CAS No. 50-32-8); Dibenzo(a,h)anthracene (CAS No. 53-70-3); Benzo(g,h,i)perylene (CAS No. 191-24-2); Indeno(123-cd)pyrene (CAS No. 193-39-5); Benzo(e)pyrene (CAS No. 192-97-2); Benzo(j)fluoranthene (CAS No. 205-82-3);

Test Performed: Phthalates Content(With reference to USEPA 8270D, Solvent extraction followed by GC/MS analysis)

Sample Number:	3785161	3785203	
	Result	Result	Requirements
Di-iso-nonyl phthalate,DINP	<10.0 µg/L	<10.0 µg/L	< 10.0 µg/L
Di-n-octyl phthalate,DNOP	<10.0 µg/L	<10.0 µg/L	< 10.0 µg/L
Bis(2-ethylhexyl) phthalate,DEHP	<10.0 µg/L	<10.0 µg/L	< 10.0 µg/L
Diisodecyl phthalate,DIDP	<10.0 µg/L	<10.0 µg/L	< 10.0 µg/L
Dibutyl phthalate,DBP	<10.0 µg/L	<10.0 µg/L	< 10.0 µg/L
Benzyl butyl phthalate,BBP	<10.0 µg/L	<10.0 µg/L	< 10.0 µg/L
Di-iso-butyl phthalate,DIBP	<10.0 µg/L	<10.0 µg/L	< 10.0 µg/L
Bis(2-methoxyethyle) phthalate,BMEP	<10.0 µg/L	<10.0 µg/L	< 10.0 µg/L
Diethyl phthalate,DEP	<10.0 µg/L	<10.0 µg/L	< 10.0 µg/L
Di-n-propyl phthalate,DPrP	<10.0 µg/L	<10.0 µg/L	< 10.0 µg/L
Di-n-hexyl phthalate,DHP	<10.0 µg/L	<10.0 µg/L	< 10.0 µg/L
Dicyclohexyl phthalate,DCHP	<10.0 µg/L	<10.0 µg/L	< 10.0 µg/L

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Test Performed: Phthalates Content(With reference to USEPA 8270D, Solvent extraction followed by GC/MS analysis)

Dinonyl phthalate,DNP	<10.0 µg/L	<10.0 µg/L	< 10.0 µg/L
Di-iso-octyl phthalate,DIOP	<10.0 µg/L	<10.0 µg/L	< 10.0 µg/L
Di-iso-heptyl phthalate,DIHP	<10.0 µg/L	<10.0 µg/L	< 10.0 µg/L
Di- (heptyl, nonyl, undecyl) phthalate),DHNUP	<10.0 µg/L	<10.0 µg/L	< 10.0 µg/L
Conclusion	Comply	Comply	

Remark:

- Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number.
- "<" means less than; "≤" means less than or equal to.
- "µg/L" means micrograms per liter.

Di-iso-nonyl phthalate,DINP (CAS No. 28553-12-0/68515-48-0); Di-n-octyl phthalate,DNOP (CAS No. 117-84-0); Bis(2-ethylhexyl) phthalate,DEHP (CAS No. 117-81-7); Diisodecyl phthalate,DIDP (CAS No. 26761-40-0/ 68515-49-0); Dibutyl phthalate,DBP (CAS No. 84-74-2); Benzyl butyl phthalate,BBP (CAS No. 85-68-7); Di-iso-butyl phthalate,DIBP (CAS No. 84-69-5); Bis(2-methoxyethyle) phthalate,BMEP (CAS No. 117-82-8); Diethyl phthalate,DEP (CAS No. 84-66-2); Di-n-propyl phthalate,DPrP (CAS No. 131-16-8); Di-n-hexyl phthalate,DHP (CAS No. 84-75-3); Dicyclohexyl phthalate,DCHP (CAS No. 84-61-7); Dinonyl phthalate,DNP (CAS No. 84-76-4); Di-iso-octyl phthalate,DIOP (CAS No. 27554-26-3); Di-iso-heptyl phthalate,DIHP (CAS No. 71888-89-6 /41451-28); Di- (heptyl, nonyl, undecyl) phthalate),DHNUP (CAS No. 68515-42-4);

Test Performed: Halogenated Solvents Content(With reference USEPA 8260B, analysis by GCMS with Headspace)

Sample Number:	3785161	3785203	
	Result	Result	Requirements
1,2-Dichloroethane	<1.0 µg/L	<1.0 µg/L	< 1.0 µg/L
Trichloroethylene	<1.0 µg/L	<1.0 µg/L	< 1.0 µg/L
Tetrachloroethylene	<1.0 µg/L	<1.0 µg/L	< 1.0 µg/L
Dichloromethane	<1.0 µg/L	<1.0 µg/L	< 1.0 µg/L
Conclusion	Comply	Comply	

Remark:

- Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number.
- "<" means less than; "≤" means less than or equal to.
- "µg/L" means micrograms per liter.

1,2-Dichloroethane (CAS No. 107-06-2); Trichloroethylene (CAS No. 79-01-6); Tetrachloroethylene (CAS No. 127-18-4); Dichloromethane (CAS No. 75-09-2);

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Test Performed: Halogenated Solvents Content(With reference USEPA 8260B, analysis by GCMS with Headspace)

Test Performed: Volatile Organic Compounds (VOC) Content(With reference USEPA 8260, analysis by GCMS with Headspace)

Sample Number:	3785161	3785203	
	Result	Result	Requirements
Benzene	<1.0 µg/L	<1.0 µg/L	< 1.0 µg/L
Total Xylenes	<1.0 µg/L	<1.0 µg/L	< 1.0 µg/L
p-Cresol	<1.0 µg/L	<1.0 µg/L	< 1.0 µg/L
m-Cresol	<1.0 µg/L	<1.0 µg/L	< 1.0 µg/L
o-Cresol	<1.0 µg/L	<1.0 µg/L	< 1.0 µg/L
Conclusion	Comply	Comply	

Remark:

- Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number.
- "<" means less than; "≤" means less than or equal to.
- "µg/L" means micrograms per liter.

Benzene (CAS No. 71-43-2); Total Xylenes (CAS No. 1330-20-7); p-Cresol (CAS No. 106-44-5); m-Cresol (CAS No. 108-39-4); o-Cresol (CAS No. 95-48-7);

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Test Performed: Absorbable Organic Halogens (AOX)*		
Test Method : Photometric measurement.		
Sample Number:	3785161	
	Result	Requirements
Absorbable Organic Halogens (AOX)	<0.1 mg/L	≤ 5.0 mg/L
Conclusion	Comply	
Remark: 1. Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number. 2. "<" means less than; "≤" means less than or equal to. 3. "mg/L" means milligrams per liter.		

Test Performed: Ammonium as N*		
Test Method : With reference to APHA/SM 4500 NH3-N.		
Sample Number:	3785161	
	Result	Requirements
Ammonium as N	2.3 mg/L	≤ 10.0 mg/L
Conclusion	Comply	
Remark: 1. Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number. 2. "<" means less than; "≤" means less than or equal to. 3. "mg/L" means milligrams per liter.		

Test Performed: Biological Oxygen Demand (BOD)*		
Test Method : With reference to APHA/SM 5210B.		
Sample Number:	3785161	
	Result	Requirements
BOD (5-day)	<5 mg/L	≤ 30.0 mg/L
Conclusion	Comply	

Test Performed: Chemical Oxygen Demand (COD)*		
Test Method : With reference to APHA/SM 5220D.		
Sample Number:	3785161	
	Result	Requirements
COD	<5 mg/L	≤ 150.0 mg/L
Conclusion	Comply	
Remark: 1. Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the		

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Test Performed: Chemical Oxygen Demand (COD)*
limit of quantification expressed by that number.
2. "<" means less than; "≤" means less than or equal to.
3. "mg/L" means milligrams per liter.

Test Performed: Coliform*		
Test Method : With reference to USEPA 9132.		
Sample Number:	3785161	
	Result	Requirements
Coliform Colonies/100mL	<25	≤ 400.0
Conclusion	Comply	

Test Performed: Colour (436, 525, 620nm)*		
Test Method : With reference to ISO 7887 Method B.		
Sample Number:	3785161	
	Result	Requirements
Colour (436nm)	<1 absorbance	≤ 7.0 absorbance
Colour (525nm)	<1 absorbance	≤ 5.0 absorbance
Colour (620nm)	<1 absorbance	≤ 3.0 absorbance
Conclusion	Comply	

Test Performed: Cyanide*		
Test Method : With reference to APHA/SM 4500 CN.		
Sample Number:	3785161	
	Result	Requirements
Cyanide	<0.05 mg/L	≤ 0.2 mg/L
Conclusion	Comply	

Remark:		
1. Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number.		
2. "<" means less than; "≤" means less than or equal to.		
3. "mg/L" means milligrams per liter.		

Test Performed: Oil and Grease*		
Test Method : With reference to USEPA 1664.		
Sample Number:	3785161	
	Result	Requirements
n-Hexane Extractable Material (HEM)	<0.5 mg/L	≤ 10.0 mg/L

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Test Performed: Oil and Grease*		
Conclusion	Comply	
Remark: 1. Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number. 2. "<" means less than; "≤" means less than or equal to. 3. "mg/L" means milligrams per liter.		

Test Performed: Persistent Foam*		
Test Method : Visual analysis		
Sample Number:	3785161	
	Result	Requirements
Persistent Foam	Not Visible	Not Visible
Conclusion	Comply	

Test Performed: Sulfide*		
Test Method : With reference to APHA/SM 4500-S2-D.		
Sample Number:	3785161	
	Result	Requirements
Sulfide	<0.01 mg/L	≤ 0.5 mg/L
Conclusion	Comply	
Remark: 1. Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number. 2. "<" means less than; "≤" means less than or equal to. 3. "mg/L" means milligrams per liter.		

Test Performed: Sulfite*		
Test Method : With reference to USEPA 377.1.		
Sample Number:	3785161	
	Result	Requirements
Sulfite	<0.2 mg/L	≤ 2.0 mg/L
Conclusion	Comply	
Remark: 1. Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number. 2. "<" means less than; "≤" means less than or equal to. 3. "mg/L" means milligrams per liter.		

Test Performed: Temperature*		
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Test Performed: Temperature*		
Test Method : With reference to USEPA 170.1.		
Sample Number:	3785161	
	Result	Requirements
Temperature	36 °C	≤ 35.0 °C
Conclusion	Not Comply	
Remark: 1. "<" means less than; "≤" means less than or equal to. 2. "°C " means degrees Celsius.		

Test Performed: Total Nitrogen as N*		
Test Method : With reference to APHA/SM 4500N-C.		
Sample Number:	3785161	
	Result	Requirements
Total Nitrogen as N	8.3 mg/L	≤ 20.0 mg/L
Conclusion	Comply	
Remark: 1. Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number. 2. "<" means less than; "≤" means less than or equal to. 3. "mg/L" means milligrams per liter.		

Test Performed: Total Phenol*		
Test Method : With reference APHA/ SM 5530B, C&D.		
Sample Number:	3785161	
	Result	Requirements
Total Phenol	<0.001 mg/L	≤ 0.5 mg/L
Conclusion	Comply	
Remark: 1. Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number. 2. "<" means less than; "≤" means less than or equal to. 3. "mg/L" means milligrams per liter.		

Test Performed: Total Phosphorus as P*		
Test Method : With reference to APHA/SM 4500P-J.		
Sample Number:	3785161	
	Result	Requirements

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Test Performed: Total Phosphorus as P*		
Total Phosphorus as P	<0.1 mg/L	≤ 3.0 mg/L
Conclusion	Comply	
Remark: 1. Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number. 2. "<" means less than; "≤" means less than or equal to. 3. "mg/L" means milligrams per liter.		

Test Performed: Total Suspended Solids (TSS)*		
Test Method : With reference to APHA/SM 2540D.		
Sample Number:	3785161	
	Result	Requirements
TSS	<5 mg/L	≤ 50.0 mg/L
Conclusion	Comply	
Remark: 1. Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number. 2. "<" means less than; "≤" means less than or equal to. 3. "mg/L" means milligrams per liter.		

Test Performed: pH Value*		
Test Method : With reference to USEPA 150.1.		
Sample Number:	3785161	
	Result	Requirements
pH value	7.0	6.0 to 9.0
Conclusion	Comply	

Test Performed: Glycols Content(With reference USEPA 8270, Solvent extraction followed by GCMS or LCMS analysis)*		
Test Method : With reference to USEPA 8270, USEPA 527, USEPA 8321B Solvent extraction followed by GC/MS & LCMS		
Sample Number:	3785161	
	Result	Requirements
2-Ethoxyethylacetate (CAS No. 111-15-9)	<50.0 µg/L	< 50.0 µg/L
Bis-(2-methoxyethyl) ether (CAS No. 111-96-6)	<50.0 µg/L	< 50.0 µg/L
2-Ethoxyethanol (CAS No. 110-80-5)	<50.0 µg/L	< 50.0 µg/L

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Test Performed: Glycols Content(With reference USEPA 8270, Solvent extraction followed by GCMS or LCMS analysis)*

Ethylene glycol dimethyl ether (CAS No. 110-71-4)	<50.0 µg/L	< 50.0 µg/L
2-Methoxyethanol (CAS No. 109-86-4)	<50.0 µg/L	< 50.0 µg/L
Triethylene glycol dimethyl ether (CAS No. 112-49-2)	<50.0 µg/L	< 50.0 µg/L
2-Methoxyethylacetate (CAS No. 110-49-6)	<50.0 µg/L	< 50.0 µg/L
2-Methoxypropylacetate (CAS No. 70657-70-4)	<50.0 µg/L	< 50.0 µg/L

Conclusion Comply

Sample Number: 3785203

	Result	Requirements
2-Ethoxyethylacetate (CAS No. 111-15-9)	<50.0 µg/L	< 50.0 µg/L
Bis-(2-methoxyethyl) ether (CAS No. 111-96-6)	<50.0 µg/L	< 50.0 µg/L
2-Ethoxyethanol (CAS No. 110-80-5)	<50.0 µg/L	< 50.0 µg/L
Ethylene glycol dimethyl ether (CAS No. 110-71-4)	<50.0 µg/L	< 50.0 µg/L
2-Methoxyethanol (CAS No. 109-86-4)	<50.0 µg/L	< 50.0 µg/L
Triethylene glycol dimethyl ether (CAS No. 112-49-2)	<50.0 µg/L	< 50.0 µg/L
2-Methoxyethylacetate (CAS No. 110-49-6)	<50.0 µg/L	< 50.0 µg/L
2-Methoxypropylacetate (CAS No. 70657-70-4)	<50.0 µg/L	< 50.0 µg/L
Conclusion	Comply	

Remark:

1. Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number.
2. "<" means less than; "≤" means less than or equal to.
3. "µg/L" means micrograms per liter.

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Test Performed: Perfluorinated Compounds (PFCs) Content(With reference CEN/TS 15968, USEPA 537, Solvent extraction followed by GCMS or LCMS analysis)*

Sample Number:	3785161	3785203	
	Result	Result	Requirements
Perfluorohexane sulfonate (PFHxS) (CAS No 3871-99-6, 355-46-4)	<0.01 µg/L	<0.01 µg/L	< 0.01 µg/L
Perfluorooctane sulfonate (PFOS) (CAS No 1763-23-1)	<0.01 µg/L	<0.01 µg/L	< 0.01 µg/L
Perfluorohexanoate (PFHxA) (CAS No 307-24-4)	<0.01 µg/L	<0.01 µg/L	< 0.01 µg/L
Perfluorooctanoate (PFOA) (CAS No 335-67-1)	<0.01 µg/L	<0.01 µg/L	< 0.01 µg/L
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH) (CAS No 647-42-7)	<1.00 µg/L	<1.00 µg/L	< 1.0 µg/L
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH) (CAS No 678-39-7)	<1.00 µg/L	<1.00 µg/L	< 1.0 µg/L
Perfluorobutanesulfonate K-salt (LPFBS) (CAS No 29420-49-3)	<0.01 µg/L	<0.01 µg/L	< 0.01 µg/L
Conclusion	Comply	Comply	

Remark:

1. Regarding the results found the symbol "<" followed by a number indicates that the concentration of the substance is less than the limit of quantification expressed by that number.
2. "<" means less than; "≤" means less than or equal to.
3. "µg/L" means micrograms per liter.

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Test Report

REPORT NO 1001188852



End of Report

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