TEST REPORT NO.:	SHE15-04006	Date: 2015/08/26	Page: 1 of 12

The following sample was collected by the SGS:

Sample Description	:	WATER AND SLUDGE SAMPLES
Buyer Name	:	Jack Wolfskin
Factory Name	:	Supplier 5045
Ref Number.	:	/
Sample Received Quantity	:	/
Department No.	:	SH ENVI LAB
Country of Origin	:	CHINA
Country of Destination	:	CHINA
Sample Receiving Date	:	2015/08/14
Test Performing Period	:	2015/08/14 TO 2015/08/26

Remarks

1.This test document cannot be reproduced in any way, except in full content, without prior approval in writing by the laboratory.

2.The results shown in this test report refer only to the sampling and the sample(s) tested unless otherwise stated.

3.The factory should fullfill the guideline value (4) which are 20 mg/L for BOD and 80 mg/L for COD, respectively.

Signed for and on hehalf of
SGS-CSTC Ltd.

Eddy Shen

Eddy SHEN
Lab Manager

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Positive result summary

Ref. No.	ITEMS	CAS No.	METHOD	Water						Sludge		
				Reporting Limit	Inlet	Before Treatment	After Treatment	GB 4287-2012 Discharge standards of water pollutants for dyeing and finishing of textile industry		Reporting Limit	Sludge	Local Requirement
								Direct Discharge	Indirect Discharge[1]			
1.2	Di(2-Ethyl Hexyl) Phthalate(DEHP)	117-81-7	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	-	-	**6**	-	-	0,3 mg/kg	**0,3**	-
2.27	Sodium Tetraborate*^	1303-96-4, 1303-43-4, 12179-04-3, 215-540-4	Acid Digestion with ICP analysis	0,5 µg/L	**55,8**	**121,0**	**141,0**	-	-	0,25 mg/kg	**132,22**	-
2.28	Boron trioxide*^	1303-86-2	Acid Digestion with ICP analysis	0,5 µg/L	**38,7**	**83,9**	**97,9**	-	-	0,25 mg/kg	**91,64**	-
2.29	Boric acid*^	10043-35-3, 11113-50-1	Acid Digestion with ICP analysis	0,5 µg/L	**68,5**	**149,0**	**173,0**	-	-	0,25 mg/kg	**162,33**	-
2.30	Antimony trioxide*^	1309-64-4	Acid Digestion with ICP analysis	0,5 µg/L	-	**408,0**	**45,1**	-	-	0,25 mg/kg	**168,02**	-
5.1	Monobutyltin (MBT)	1118-46-3	With reference to DIN EN17353 and followed by GC/MS analysis.	0,01 µg/L	**0,03**	-	-	-	-	0,01 mg/kg	-	-
7.24	N,N-dimethylformamide*	68-12-2	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	-	-	**2**	-	-	0,1 mg/kg	-	-
10.2	Total Lead (Pb)	7439-92-1	Acid Digestion with ICP or ICP/MS analysis	1 µg/L	**2**	-	-	**-**	**-**	1 mg/kg	**4**	
10.3	Total Mercury (Hg)	7439-97-6	With reference to USEPA 7473 or Acid Digestion with ICP/MS analysis	0,05 µg/L	-	-	-	-	-	0,006 mg/kg	**0,046**	-
10.4	Total Nickel (Ni)	7440-02-0	Acid Digestion with ICP or ICP/MS analysis	1 µg/L	**1**	**3**	**2**	-	-	1 mg/kg	**2**	-
10.6	Total Arsenic (As)	7440-38-2	Acid Digestion with ICP or ICP/MS analysis	1 µg/L	-	**1**	-	-	-	1 mg/kg	**1**	-
10.7	Total Chromium (Cr)	7440-47-3	Acid Digestion with ICP or ICP/MS analysis	1 µg/L	**5**	**11**	**5**	-	-	1 mg/kg	**24**	-
10.8	Total Copper (Cu)	7440-50-8	Acid Digestion with ICP or ICP/MS analysis	1 µg/L	**2**	**3**	-	-	-	1 mg/kg	**6**	-
10.9	Total Zinc (Zn)	7440-66-6	Acid Digestion with ICP or ICP/MS analysis	1 µg/L	**7**	**22**	**8**	-	-	4 mg/kg	**19**	-
10.10	Total Manganese	7439-96-5	Acid Digestion with ICP or ICP/MS analysis	1 µg/L	**53**	**41**	**36**	-	-	1 mg/kg	**9**	-
10.11	Total Antimony (Sb)	7440-36-0	Acid Digestion with ICP or ICP/MS analysis	1 µg/L	-	**341**	**38**	<100µg/L	<100µg/L	1 mg/kg	**140**	
10.12	Total Cobalt (Co)*	7440-48-4	Acid Digestion with ICP or ICP/MS analysis	1 µg/L	-	**1**	-	**-**	**-**	1 mg/kg	-	

Positive result summary

Ref. No.	ITEMS	CAS No.	METHOD	Water						Sludge		
				Reporting Limit	**Inlet**	**Before Treatment**	**After Treatment**	GB 4287-2012 Discharge standards of water pollutants for dyeing and finishing of textile industry		Reporting Limit	**Sludge**	Local Requirement
								Direct Discharge	Indirect Discharge[1]			
11.2	Nonylphenol	various 25154-52-3, 104-40-5, 90481-04-2, 84852-15-3, 1173019-62-9	With reference to DIN EN ISO 18857 and followed by LC/MS analysis	1 µg/L	-	-	-	-	-	0,2 mg/kg	**10,2**	-
11.3	NPEO, n=1~2	various	With reference to DIN EN ISO 18857 and followed by LC/MS analysis	1 µg/L	-	-	-	-	-	0,2 mg/kg	**42,3**	-
11.4	NPEO, n=3~18	various 9016-45-9, 26027-38-3 68412-54-4, 127087-87-0, 37205-87-1	With reference to DIN EN ISO 18857 and followed by LC/MS analysis	1 µg/L	-	**1**	-	-	-	0,2 mg/kg	-	-
11.5	OPEO, n=1~2	various	With reference to DIN EN ISO 18857 and followed by LC/MS analysis	1 µg/L	-	-	-	-	-	0,2 mg/kg	**3,1**	-
12.1	PFOA	335-67-1	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	-	-	-	-	-	0,001 mg/kg	**0,055**	-
12.10	PFHXS	355-46-4	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	-	-	-	-	-	0,001 mg/kg	**0,007**	-
12.19	PFHpA	375-85-9	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	-	-	-	-	-	0,001 mg/kg	**0,015**	-
12.20	PFDA	335-76-2	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	-	-	-	-	-	0,001 mg/kg	**0,005**	-
12.32	4HPFUnA	34598-33-9	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	-	-	**0,11**	-	-	0,001 mg/kg	-	-
15.1	BOD (5-day)	-	SM 5210	2 mg/L	-	**303**	**16**	<20mg/L	<150[3] / <50[4]mg/L	-	-	-
15.2	COD	-	USEPA 410.4 or SM 5220D	5 mg/L	-	**537**	**65**	<80mg/L	<500[3]/ <200[4]mg/L	-	-	
15.3	TSS	-	SM 2540D	5 mg/L	**25**	**37**	**11**	<50mg/L	<100mg/L	-	-	
15.4	TDS	-	SM 2540C	5 mg/L	**78**	**568**	**242**	**-**	**-**	-	-	-
15.5	Cyanide	-	APHA 4500 CN—B,C & E	0,01 mg/L	-	-	-	-	-	0,01 mg/kg	**0,08**	-
15.6	Sulfide	-	SM 4500-S2-D	0,005 mg/L	-	0.120	-	<0.5mg/L	<0.5mg/L	-	-	-
15.7	pH Value	-	SM 4500H+	-	**6,37**	**5,27**	**5,84**	6-9	6-9	-	-	-
15.8	Colour	-	USEPA 110.2 or SM 2120B or ISO 7887-2011 Method D	5 CU	**10**	**250**	**15**	-	-	-	-	-
			GB/T 11903-1989	1 DF	**8**	**128**	**16**	<50	<80	-	-	-

INORGANIC & ORGANIC ANALYSIS

Report No.:SHE15-04006

Factory:

Sampling Address:

Sampling Location	15-04006-01	15-04006-02	15-04006-03	GB 4287-2012 Discharge standards of water pollutants for dyeing and finishing of textile industry	15-04006-04	
Sampling Time	13:46	15:30	14:40		15:10	
Date Sampled	2015/08/14	2015/08/14	2015/08/14		2015/08/14	
Date Received	2015/08/17	2015/08/17	2015/08/17		2015/08/17	
Sample Description	Inlet Water	Before Treatment Water	After Treatment Water		Sludge	

				Water						Sludge		
Ref. No.	ITEMS	CAS No.	METHOD	Waste Waster Reporting Limit	Inlet	Before Treat-ment	After Treat-ment	Direct Discharge	Indirect Discharge[1]	Sludge Reporting Limit	Sludge[#]	Local Requirement (if applicable)
1	**Phthalates**											
1.1	Di-Butyl Phthalate (DBP)	84-74-2	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
1.2	Di(2-Ethyl Hexyl) Phthalate(DEHP)	117-81-7	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	**6**	-	-	0,3 mg/kg	**0,3**	-
1.3	Benzyl Butyl Phthalate (BBP)	85-68-7	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
1.4	Di-Iso-Nonyl Phthalate (DINP)	28553-12-0, 68515-48-0	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
1.5	Di-N-Octyl Phthalate (DNOP)	117-84-0	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
1.6	Di-Iso-Decyl Phthalate (DIDP)	26761-40-0, 68515-49-1	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
1.7	Di-Iso-Butyl Phthalate (DIBP)	84-69-5	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
1.8	Di-N-Hexyl Phthalate (DNHP)	84-75-3	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
1.9	Bis(2-methoxyethyl)phthalate (DMEP)*	117-82-8	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
1.10	1,2-Benzenedicaboxylic acid, Di-C7-11 Branched and Linear Alkyl Esters (DHNUP)*	68515-42-4	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
1.11	Di-Iso-Hexyl Phthalate (DIHP)*	71888-89-6	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
1.12	Di-pentylphthalate (n-, iso-, or mixed) (DPP)*	131-18-0	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
2	**Halogenated Flame retardants**											
	Polybrominated biphenyls (PBBs)	59536-65-1 various										
2.1	Monobromo biphenyls (MonoBB)	-	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,03 mg/kg	<0.03	-
2.2	Dibromo biphenyls (DiBB)	-	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,03 mg/kg	<0.03	-
2.3	Tribromo biphenyls (TriBB)	-	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,03 mg/kg	<0.03	-
2.4	Tetrabromo bipenyls (TetraBB)	-	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,03 mg/kg	<0.03	-
2.5	Pentabromo biphenyls (PentaBB)	-	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,03 mg/kg	<0.03	-
2.6	Hexabromo biphenyls (HexaBB)	-	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,03 mg/kg	<0.03	-
2.7	Heptabromo biphenyls (HeptaBB)	-	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,03 mg/kg	<0.03	-
2.8	Octabromo biphenyls (OctaBB)	-	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,03 mg/kg	<0.03	-
2.9	Nonabromo biphenyls (NonaBB)	-	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,03 mg/kg	<0.03	-
2.10	Decabromo biphenyls (DecaBB)	13654-09-6	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,03 mg/kg	<0.03	-
	Polybrominated diphenyl ethers (PBDEs)	various										
2.11	Monobromo diphenyl ethers (MonoBDE)	-	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,03 mg/kg	<0.03	-
2.12	Dibromo diphenyl ethers (DiBDE)	-	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,03 mg/kg	<0.03	-
2.13	Tribromo diphenyl ethers (TriBDE)	-	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,03 mg/kg	<0.03	-
2.14	Tetrabromo diphenyl ethers (TetraBDE)	40088-47-9	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,03 mg/kg	<0.03	-
2.15	Pentabromo diphenyl ethers (PentaBDE)	32534-81-9	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,03 mg/kg	<0.03	-
2.16	Hexabromo diphenyl ethers (HexaBDE)	36483-60-0	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,03 mg/kg	<0.03	-
2.17	Heptabromo diphenyl ethers (HeptaBDE)	68928-80-3	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,03 mg/kg	<0.03	-
2.18	Octabromo diphenyl ethers (OctaBDE)	32536-52-0	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,03 mg/kg	<0.03	-
2.19	Nonabromo diphenyl ethers (NonaBDE)	63936-56-1	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,03 mg/kg	<0.03	-
2.20	Decabromo diphenyl ethers (DecaBDE)	1163-19-5	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,03 mg/kg	<0.03	-
2.21	Tris(2,3-dibromopropyl) phosphate (TRIS)	126-72-7	With reference to USEPA 8270 or Solvent extraction with GC/MS or LC/MS analysis	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,25 mg/kg	<0.25	-
2.22	Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	With reference to USEPA 8270 or Solvent extraction with GC/MS or LC/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,25 mg/kg	<0.25	-
2.23	Hexabromocyclododecane (HBCDD)	134237-50-6, 134237-51-7, 134237-52-8, 25637-99-4, 3194-55-6	With reference to USEPA 8270 or Solvent extraction with GC/MS or LC/MS analysis	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,25 mg/kg	<0.25	-
2.24	Tetrabromobisphenol A (TBBPA)	79-94-7	With reference to USEPA 8270 or Solvent extraction with GC/MS or LC/MS analysis	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,25 mg/kg	<0.25	-
	Subgroup: Other Flame Retardants											
2.25	Tris(1-aziridinyl)phosphine oxide) (TEPA)*	545-55-1	With reference to USEPA 8270 or Solvent extraction with GC/MS or LC/MS analysis	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,25 mg/kg	<0.25	-
2.26	Bis(2,3-dibromopropyl)phosphate (BIS)*	5412-25-9	With reference to USEPA 8270 or Solvent extraction with GC/MS or LC/MS analysis	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,25 mg/kg	<0.25	-
2.27	Sodium Tetraborate*^	1303-96-4, 1303-43-4, 12179-04-3, 215-540-4	Acid Digestion with ICP analysis	0,5 µg/L	**55,8**	**121,0**	**141,0**	-	-	0,25 mg/kg	**132,22**	-
2.28	Boron trioxide*^	1303-86-2	Acid Digestion with ICP analysis	0,5 µg/L	**38,7**	**83,9**	**97,9**	-	-	0,25 mg/kg	**91,64**	-

INORGANIC & ORGANIC ANALYSIS

Report No.:SHE15-04006

Factory:

Sampling Address:

Sampling Location	15-04006-01	15-04006-02	15-04006-03	GB 4287-2012 Discharge standards of water pollutants for dyeing and finishing of textile industry	15-04006-04	
Sampling Time	13:46	15:30	14:40		15:10	
Date Sampled	2015/08/14	2015/08/14	2015/08/14		2015/08/14	
Date Received	2015/08/17	2015/08/17	2015/08/17		2015/08/17	
Sample Description	Inlet Water	Before Treatment Water	After Treatment Water		Sludge	

				Water						Sludge		
Ref. No.	ITEMS	CAS No.	METHOD	Waste Waster Reporting Limit	**Inlet**	**Before Treat-ment**	**After Treat-ment**	**Direct Discharge**	**Indirect Discharge[1]**	Sludge Reporting Limit	**Sludge[#]**	**Local Requirement (if applicable)**
2.29	Boric acid*^	10043-35-3, 11113-50-1	Acid Digestion with ICP analysis	0,5 µg/L	**68,5**	**149,0**	**173,0**	-	-	0,25 mg/kg	**162,33**	-

Report No.:SHE15-04006

Factory:

Sampling Address:

Sampling Location	15-04006-01	15-04006-02	15-04006-03	GB 4287-2012 Discharge standards of water pollutants for dyeing and finishing of textile industry		15-04006-04	
Sampling Time	13:46	15:30	14:40			15:10	
Date Sampled	2015/08/14	2015/08/14	2015/08/14			2015/08/14	
Date Received	2015/08/17	2015/08/17	2015/08/17			2015/08/17	
Sample Description	Inlet Water	Before Treatment Water	After Treatment Water			Sludge	

				Water						Sludge		
Ref. No.	ITEMS	CAS No.	METHOD	Waste Waster Reporting Limit	Inlet	Before Treat-ment	After Treat-ment	Direct Discharge	Indirect Discharge[1]	Sludge Reporting Limit	Sludge[#]	Local Requirement (if applicable)
2.30	Antimony trioxide*^	1309-64-4	Acid Digestion with ICP analysis	0,5 µg/L	<0.5	**408,0**	**45,1**	-	-	0,25 mg/kg	**168,02**	-
2.31	Tri-o-cresyl phosphate*	78-30-8	With reference to USEPA 8270 or Solvent extraction with GC/MS or LC/MS analysis	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,25 mg/kg	<0.25	-
2.32	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)*	13674-87-8	With reference to USEPA 8270 or Solvent extraction with GC/MS or LC/MS analysis	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,25 mg/kg	<0.25	-
3	**Amines (Associated with Azo dyes)**											
3.1	4-Aminodiphenyl	92-67-1	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.2	Benzidine	92-87-5	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.3	4-Chloro-o-Toluidine	95-69-2	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.4	2-Naphthylamine	91-59-8	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.5	o-Aminoazotoluene	97-56-3	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.6	2-Amino-4-Nitrotoluene	99-55-8	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.7	p-Chloroaniline	106-47-8	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.8	2,4-Diaminoanisole	615-05-4	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.9	4,4'-Diaminodiphenylmethane	101-77-9	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.10	3,3'-Dichlorobenzidine	91-94-1	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.11	3,3'-Dimethoxybenzidine	119-90-4	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.12	3,3'-Dimethylbenzidine	119-93-7	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.14	p-Cresidine	120-71-8	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.15	4,4'-Methylene-Bis(2-Chloroaniline)	101-14-4	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.16	4,4'-Oxydianiline	101-80-4	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.17	4,4'-Thiodianiline	139-65-1	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.18	o-Toluidine	95-53-4	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.19	2,4-Toluylenediamine	95-80-7	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.20	2,4,5-Trimethylaniline	137-17-7	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.21	o-Anisidine	90-04-0	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.22	p-Aminoazobenzene	60-09-3	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.23	2,4-Xylidine	95-68-1	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
3.24	2,6-Xylidine	87-62-7	With reference to EN 14362-1&3 and followed by GC/MS and HPLC Analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
4	**Subgroup: Carcinogenic Dyes**											
4.1	Acid Red 26*	3761-53-3	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.2	Basic Red 9*	569-61-9	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.3	Basic Violet 14*	632-99-5	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.4	Direct Blue 6*	2602-46-2	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.5	Direct Red 28*	573-58-0	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.6	Direct Black 38*	1937-37-7	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.7	Disperse Blue 1*	2475-45-8	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.8	Disperse Yellow 3*	2832-40-8	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.9	Disperse Orange 11*	82-28-0	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.10	Disperse Yellow 23*	6250-23-3	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.11	Disperse Orange 149*	85136-74-9	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.12	Solvent Yellow 1*	60-09-3	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.13	Solvent Yellow 2*	60-11-7	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.14	Solvent Yellow 3*	97-56-3	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.15	Solvent Yellow 14*	842-07-9	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.16	Basic Blue 26*	2580-56-5	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.17	Basic Violet 1*	8004-87-3	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.18	Direct Brown 95*	16071-86-6	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.19	Direct Blue 15*	2429-74-5	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.20	Direct Blue 218*	28407-37-6	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.21	Acid Red 114*	6459-94-5	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.22	Acid Violet 49*	1694-09-3	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
	Subgroup: Allergenic Disperse Dyes											
4.23	Disperse Blue 1*	2475-45-8	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.24	Disperse Blue 3*	2475-46-9	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.25	Disperse Blue 7*	3179-90-6	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.26	Disperse Blue 26*	3860-63-7	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.27	Disperse Blue 35*	12222-75-2	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.28	Disperse Blue 102*	12222-97-8	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.29	Disperse Blue 106*	12223-01-7	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.30	Disperse Blue 124*	61951-51-7	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.31	Disperse Brown 1*	23355-64-8	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-

INORGANIC & ORGANIC ANALYSIS

Report No.:SHE15-04006

Factory:

Sampling Address:

Sampling Location	15-04006-01	15-04006-02	15-04006-03	GB 4287-2012 Discharge standards of water pollutants for dyeing and finishing of textile industry	15-04006-04
Sampling Time	13:46	15:30	14:40		15:10
Date Sampled	2015/08/14	2015/08/14	2015/08/14		2015/08/14
Date Received	2015/08/17	2015/08/17	2015/08/17		2015/08/17
Sample Description	Inlet Water	Before Treatment Water	After Treatment Water		Sludge

Ref. No.	ITEMS	CAS No.	METHOD	Water						Sludge		
				Waste Waster Reporting Limit	Inlet	Before Treat-ment	After Treat-ment	Direct Discharge	Indirect Discharge[1]	Sludge Reporting Limit	Sludge[#]	Local Requirement (if applicable)
4.32	Disperse Orange 1*	2581-69-3	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.33	Disperse Orange 3*	730-40-5	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.34	Disperse Orange 37/76*	13301-61-6	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.35	Disperse Red 1*	2872-52-8	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.36	Disperse Red 11*	2872-48-2	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.37	Disperse Red 17*	3179-89-3	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.38	Disperse Yellow 1*	119-15-3	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.39	Disperse Yellow 3*	2832-40-8	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.40	Disperse Yellow 9*	6373-73-5	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.41	Disperse Yellow 39*	12236-29-2	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
4.42	Disperse Yellow 49*	54824-37-2	Solvent extraction with LC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,1 mg/kg	<0.1	-
5	**Organotin compounds**											
5.1	Monobutyltin (MBT)	1118-46-3	With reference to DIN EN17353 and followed by GC/MS analysis.	0,01 µg/L	**0,03**	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
5.2	Dibutyltin (DBT)	1002-53-5	With reference to DIN EN17353 and followed by GC/MS analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
5.3	Tributyltin (TBT)	56573-85-4	With reference to DIN EN17353 and followed by GC/MS analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
5.4	Triphenyltin (TPhT)	892-20-6	With reference to DIN EN17353 and followed by GC/MS analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
5.5	Dioctyltin (DOT)	94410-05-6	With reference to DIN EN17353 and followed by GC/MS analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
5.6	Monooctyltin (MOT)	15231-44-4	With reference to DIN EN17353 and followed by GC/MS analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
5.7	Diphenyltin (DPhT)	1011-95-6	With reference to DIN EN17353 and followed by GC/MS analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
5.8	Tetrabutyltin (TeBT)	1461-25-2	With reference to DIN EN17353 and followed by GC/MS analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
5.9	Tricyclohexyltin (TCyT)	NA	With reference to DIN EN17353 and followed by GC/MS analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
5.10	Tripropyltin (TPT)	NA	With reference to DIN EN17353 and followed by GC/MS analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
5.11	Tetraethyltin (TeET)	597-64-8	With reference to DIN EN17353 and followed by GC/MS analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
5.12	Bis(tributyltin) oxide (TBTO)*	56-35-9	With reference to DIN EN17353 and followed by GC/MS analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
5.13	Dibutyltin dichloride (DBTC)*	683-18-1	With reference to DIN EN17353 and followed by GC/MS analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
5.14	Triphenyltin (TPT)*	668-34-8	With reference to DIN EN17353 and followed by GC/MS analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
5.15	Dibutyltin hydrogen borate (DBB)*	75113-37-0	With reference to DIN EN17353 and followed by GC/MS analysis.	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	<0.01	-
6	**Chloro- Benzenes**											
	Dichlorobenzenes	various										
6.1	1,2-Dichlorobenzene	95-50-1	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.2	1,3-Dichlorobenzene	541-73-1	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.3	1,4-Dichlorobenzene	106-46-7	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
	Trichlorobenzene	various										
6.4	1,2,3-Trichlorobenzene	87-61-6	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.5	1,2,4-Trichlorobenzene	120-82-1	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.6	1,3,5-Trichlorobenzene	108-70-3	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
	Tetrachlorobenzene	12408-10-5										
6.7	1,2,3,4-Tetrachlorobenzene	634-66-2	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.8	1,2,3,5-Tetrachlorobenzene	634-90-2	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.9	1,2,4,5-Tetrachlorobenzene	95-94-3	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.10	Pentachlorobenzene	608-93-5	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.11	Hexachlorobenzene	118-74-1	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
	Chloro-Toluenes											
6.12	2-chlorotoluene*	95-49-8	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.13	3-chlorotoluene*	108-41-8	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.14	4-chlorotoluene*	106-43-4	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.15	2,3-dichlorotoluene*	32768-54-0	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.16	2,4-dichlorotoluene*	95-73-8	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.17	2,5-dichlorotoluene*	19398-61-9	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.18	2,6-dichlorotoluene*	118-69-4	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.19	3,4-dichlorotoluene*	95-75-0	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-

INORGANIC & ORGANIC ANALYSIS

Report No.:SHE15-04006

Factory:

Sampling Address:

Sampling Location	15-04006-01	15-04006-02	15-04006-03	GB 4287-2012 Discharge standards of water pollutants for dyeing and finishing of textile industry		15-04006-04	
Sampling Time	13:46	15:30	14:40			15:10	
Date Sampled	2015/08/14	2015/08/14	2015/08/14			2015/08/14	
Date Received	2015/08/17	2015/08/17	2015/08/17			2015/08/17	
Sample Description	Inlet Water	Before Treatment Water	After Treatment Water			Sludge	

				Water						Sludge		
Ref. No.	ITEMS	CAS No.	METHOD	Waste Waster Reporting Limit	Inlet	Before Treat-ment	After Treat-ment	Direct Discharge	Indirect Discharge[1]	Sludge Reporting Limit	Sludge[#]	Local Requirement (if applicable)
6.20	2,3,6-trichlorotoluene*	2077-46-5	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.21	2,4,5-trichlorotoluene*	6639-30-1	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.22	Benzotrichloride*	98-07-7	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.23	alfa,2,4-trichlorotoluene*	94-99-5	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.24	alfa,2,6-trichlorotoluene*	2014-83-7	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.25	alfa,3,4-trichlorotoluene*	102-47-6	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.26	alpha, alpha, 2,6-tetrachlorotoluene*	81-19-6	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.27	alpha, alpha, alpha, 2-tetrachlorotoluene*	2136-89-2	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.28	alpha, alpha, alpha, 4-tetrachlorotoluene*	5216-25-1	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
6.29	2,3,4,5,6-pentachlorotoluene*	877-11-2	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	0,02 µg/L	<0.02	<0.02	<0.02	-	-	0,01 mg/kg	<0.01	-
7	**Chlorinated solvents**											
7.1	Dichloromethane	75-09-2	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
7.2	Chloroform	67-66-3	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
7.3	Tetrachloromethane	56-23-5	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
7.4	1,1,2-Trichloroethane	79-00-5	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
7.5	1,1-Dichloroethane	75-34-3	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
7.6	1,2-Dichloroethane	107-06-2	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
7.7	Trichloroethylene	79-01-6	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
7.8	Perchloroethylene	127-18-4	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
7.9	1,1,1-trichloroethane	71-55-6	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
7.10	1,1,1,2-Tetrachloroethane	630-20-6	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
7.11	1,1,2,2-Tetrachloroethane	79-34-5	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
7.12	Pentachloroethane	76-01-7	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
7.13	1,1-Dichloroethylene	75-35-4	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,3 mg/kg	<0.3	-
	Other VOCs											
7.14	Methyl-ethyl ketone*	78-93-3	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,1 mg/kg	<0.1	-
7.15	Benzene*	71-43-2	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,1 mg/kg	<0.1	-
7.16	Toluene*	108-88-3	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,1 mg/kg	<0.1	-
7.17	Ethylbenzene*	100-41-4	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,1 mg/kg	<0.1	-
7.18	Xylene*	1330-20-7	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,1 mg/kg	<0.1	-
7.19	Styrene*	100-42-5	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,1 mg/kg	<0.1	-
7.20	Cyclohexanone*	108-94-1	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	2 mg/kg	<2	-
7.21	2-ethoxyethylacetate*	111-15-9	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	10 mg/kg	<10	-
7.22	1,2,3-trichloropropane*	96-18-4	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	10 mg/kg	<10	-
7.23	Acetophenone*	98-86-2	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,1 mg/kg	<0.1	-
7.24	N,N-dimethylformamide*	68-12-2	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	**2**	-	-	0,1 mg/kg	<0.1	-
7.25	1-methyl-2-pyrrolidone*	872-50-4	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	50 mg/kg	<50	-
7.26	2-phenyl-2-propanole*	617-94-7	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,1 mg/kg	<0.1	-
7.27	Bis-(2-methoxyethyl) ether*	111-96-6	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	**-**	**-**	20 mg/kg	<20	**-**
7.28	N,N-dimethylacetamide*	127-19-5	With reference to USEPA 8260 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	**-**	**-**	20 mg/kg	<20	**-**

INORGANIC & ORGANIC ANALYSIS

Report No.:SHE15-04006

Factory:

Sampling Address:

Sampling Location	15-04006-01	15-04006-02	15-04006-03	GB 4287-2012 Discharge standards of water pollutants for dyeing and finishing of textile industry	15-04006-04	
Sampling Time	13:46	15:30	14:40		15:10	
Date Sampled	2015/08/14	2015/08/14	2015/08/14		2015/08/14	
Date Received	2015/08/17	2015/08/17	2015/08/17		2015/08/17	
Sample Description	Inlet Water	Before Treatment Water	After Treatment Water		Sludge	

				Water						Sludge		
Ref. No.	ITEMS	CAS No.	METHOD	Waste Waster Reporting Limit	**Inlet**	**Before Treat-ment**	**After Treat-ment**	**Direct Discharge**	**Indirect Discharge[1]**	Sludge Reporting Limit	**Sludge[#]**	**Local Requirement (if applicable)**
8	**Chloro- Phenols**											
8.1	Pentachlorophenols (PCP)	87-86-5	With reference to USEPA 8270 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,025 mg/kg	<0.025	-
	Tetrachlorophenols (TeCP)	25167-83-3										
8.2	2,3,4,5-Tetrachlorophenol	4901-51-3	With reference to USEPA 8270 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,025 mg/kg	<0.025	-
8.3	2,3,4,6-Tetrachlorophenol	58-90-2	With reference to USEPA 8270 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,025 mg/kg	<0.025	-
8.4	2,3,5,6-tetrachlorophenol	935-95-5	With reference to USEPA 8270 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,025 mg/kg	<0.025	-
	Trichlorophenol (TriCP)	25167-82-2										
8.5	2,4,6-trichlorophenol	88-06-2	With reference to USEPA 8270 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,025 mg/kg	<0.025	-
8.6	2,3,4-trichlorophenol	15950-66-0	With reference to USEPA 8270 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,025 mg/kg	<0.025	-
8.7	2,3,5-trichlorophenol	933-78-8	With reference to USEPA 8270 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,025 mg/kg	<0.025	-
8.8	2,3,6-trichlorophenol	933-75-5	With reference to USEPA 8270 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0,5 µg/L	<0.5	<0.5	<0.5			0,025 mg/kg	<0.025	
8.9	2,4,5-trichlorophenol	95-95-4	With reference to USEPA 8270 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,025 mg/kg	<0.025	-
8.10	3,4,5-trichlorophenol	609-19-8	With reference to USEPA 8270 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,025 mg/kg	<0.025	-
	Dichlorophenols (DiCP)	25167-81-1										
8.11	2,3-dichlorophenol	576-24-9	With reference to USEPA 8270 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,025 mg/kg	<0.025	-
8.12	2,4-dichlorophenol	120-83-2	With reference to USEPA 8270 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,025 mg/kg	<0.025	-
8.13	2,5-dichlorophenol	583-78-8	With reference to USEPA 8270 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,025 mg/kg	<0.025	-
8.14	3,4-dichlorophenol	95-77-2	With reference to USEPA 8270 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,025 mg/kg	<0.025	-
8.15	3,5-dichlorophenol	591-35-5	With reference to USEPA 8270 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,025 mg/kg	<0.025	-
8.16	Mono Chlorophenol	Various	With reference to USEPA 8270 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	0,5 µg/L	<0.5	<0.5	<0.5	-	-	0,025 mg/kg	<0.025	-
9	**Short Chain Chlorinated Paraffins (SCCP) with C10 –C13**											
9.1	Short Chain Chlorinated Paraffins (SCCP), C_{10}-C_{13}	85535-84-8	Solvent extraction with GC/MS or GC/ECD analysis	0,4 µg/L	<0.4	<0.4	<0.4	-	-	0,03 mg/kg	<0.03	-
10	**Heavy Metals**											
10.1	Total Cadmium (Cd)	7440-43-9	Acid Digestion with ICP or ICP/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	1 mg/kg	<1	
10.2	Total Lead (Pb)	7439-92-1	Acid Digestion with ICP or ICP/MS analysis	1 µg/L	**2**	<1	<1	-	-	1 mg/kg	**4**	
10.3	Total Mercury (Hg)	7439-97-6	With reference to USEPA 7473 or Acid Digestion with ICP/MS analysis	0,05 µg/L	<0.05	<0.05	<0.05	-	-	0,006 mg/kg	**0,046**	-
10.4	Total Nickel (Ni)	7440-02-0	Acid Digestion with ICP or ICP/MS analysis	1 µg/L	**1**	**3**	**2**	-	-	1 mg/kg	**2**	-
10.5	Total Hexavalent Chromium (Cr-VI)	18540-29-9	Solvent extraction and derivatisation followed by UV analysis	1 µg/L	<1	<1	<1	ND[2]	ND[2]	1 mg/kg	<1	-
10.6	Total Arsenic (As)	7440-38-2	Acid Digestion with ICP or ICP/MS analysis	1 µg/L	<1	**1**	<1	-	-	1 mg/kg	**1**	-
10.7	Total Chromium (Cr)	7440-47-3	Acid Digestion with ICP or ICP/MS analysis	1 µg/L	**5**	**11**	**5**	-	-	1 mg/kg	**24**	-
10.8	Total Copper (Cu)	7440-50-8	Acid Digestion with ICP or ICP/MS analysis	1 µg/L	**2**	**3**	<1	-	-	1 mg/kg	**6**	-
10.9	Total Zinc (Zn)	7440-66-6	Acid Digestion with ICP or ICP/MS analysis	1 µg/L	**7**	**22**	**8**	-	-	4 mg/kg	**19**	-
10.10	Total Manganese (Mn)	7439-96-5	Acid Digestion with ICP or ICP/MS analysis	1 µg/L	**53**	**41**	**36**	-	-	1 mg/kg	**9**	-
10.11	Total Antimony (Sb)	7440-36-0	Acid Digestion with ICP or ICP/MS analysis	1 µg/L	<1	**341**	**38**	<100µg/L	<100µg/L	1 mg/kg	**140**	
10.12	Total Cobalt (Co)*	7440-48-4	Acid Digestion with ICP or ICP/MS analysis	1 µg/L	<1	**1**	<1	-	-	1 mg/kg	<1	
11	**Alkylphenols (APEOs)**											
11.1	Octylphenol	various 140-66-9, 27193-28-8, 1806-26-4	With reference to DIN EN ISO 18857 and followed by LC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,2 mg/kg	<0.2	-

INORGANIC & ORGANIC ANALYSIS

Report No.:SHE15-04006

Factory:

Sampling Address:

Sampling Location	15-04006-01	15-04006-02	15-04006-03	GB 4287-2012 Discharge standards of water pollutants for dyeing and finishing of textile industry	15-04006-04	
Sampling Time	13:46	15:30	14:40		15:10	
Date Sampled	2015/08/14	2015/08/14	2015/08/14		2015/08/14	
Date Received	2015/08/17	2015/08/17	2015/08/17		2015/08/17	
Sample Description	Inlet Water	Before Treatment Water	After Treatment Water		Sludge	

Ref. No.	ITEMS	CAS No.	METHOD	Water						Sludge		
				Waste Waster Reporting Limit	Inlet	Before Treat-ment	After Treat-ment	Direct Discharge	Indirect Discharge[1]	Sludge Reporting Limit	Sludge[#]	Local Requirement (if applicable)
11.2	Nonylphenol	various 25154-52-3, 104-40-5, 90481-04-2, 84852-15-3, 1173019-62-9	With reference to DIN EN ISO 18857 and followed by LC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,2 mg/kg	**10,2**	-
11.3	NPEO, n=1~2	various	With reference to DIN EN ISO 18857 and followed by LC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,2 mg/kg	**42,3**	-
11.4	NPEO, n=3~18	various 9016-45-9, 26027-38-3 68412-54-4, 127087-87-0, 37205-87-1	With reference to DIN EN ISO 18857 and followed by LC/MS analysis	1 µg/L	<1	**1**	<1	-	-	0,2 mg/kg	<0.2	-
11.5	OPEO, n=1~2	various	With reference to DIN EN ISO 18857 and followed by LC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,2 mg/kg	**3,1**	-
11.6	OPEO, n=3~18	various 9002-93-1, 9036-19-5, 68987-90-6	With reference to DIN EN ISO 18857 and followed by LC/MS analysis	1 µg/L	<1	<1	<1	-	-	0,2 mg/kg	<0.2	-
12	**PFCs (Perfluorocarbon / Polyfluorinated Compounds)**											
12.1	PFOA	335-67-1	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,001 mg/kg	**0,055**	-
12.2	PFNA	375-95-1	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,001 mg/kg	<0.001	-
12.3	PFBS	375-73-5, 59933-66-3	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,001 mg/kg	<0.001	-
12.4	PFOS	1763-23-1	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,001 mg/kg	<0.001	-
12.5	POSF	307-35-7	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis					-	-			-
12.6	4:2 FTOH	2043-47-2	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,01 mg/kg	<0.01	-
12.7	6:2 FTOH	647-42-7	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,01 mg/kg	<0.01	-
12.8	8:2 FTOH	678-39-7	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,01 mg/kg	<0.01	-
12.9	10:2 FTOH	865-86-1	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,01 mg/kg	<0.01	-
12.10	PFHXS	355-46-4	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,001 mg/kg	**0,007**	-
12.11	PFHXA	307-24-4	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,001 mg/kg	<0.001	-
12.12	PFOSA	754-91-6	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,01 mg/kg	<0.01	-
12.13	N-Me-FOSA	31506-32-8	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,01 mg/kg	<0.01	-
12.14	N -Et-FOSA	4151-50-2	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,01 mg/kg	<0.01	-
12.15	N-Me-FOSE alcohol	24448-09-7	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1			0,01 mg/kg	<0.01	
12.16	N-Et-FOSE alcohol	1691-99-2	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1			0,01 mg/kg	<0.01	
12.17	PFBA	375-22-4	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,001 mg/kg	<0.001	-
12.18	PFPeA	2706-90-3	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,001 mg/kg	<0.001	-
12.19	PFHpA	375-85-9	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,001 mg/kg	**0,015**	-
12.20	PFDA	335-76-2	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,001 mg/kg	**0,005**	-
12.21	PFUnA	2058-94-8	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,001 mg/kg	<0.001	-
12.22	PFDoA	307-55-1	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,001 mg/kg	<0.001	-
12.23	PFTrA	72629-94-8	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,001 mg/kg	<0.001	-
12.24	PFTeA	376-06-7	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,001 mg/kg	<0.001	-
12.25	PFHpS	375-92-8	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,001 mg/kg	<0.001	-
12.26	PFDS	335-77-3	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,001 mg/kg	<0.001	-
12.27	6:2 FTA	17527-29-6	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,01 mg/kg	<0.01	-
12.28	8:2 FTA	27905-45-9	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,01 mg/kg	<0.01	-
12.29	10:2 FTA	17741-60-5	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,1 µg/L	<0.1	<0.1	<0.1	-	-	0,01 mg/kg	<0.01	-
12.30	PF-3,7-DMOA	172155-07-6	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,001 mg/kg	<0.001	-
12.31	HPFHpA	1546-95-8	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,001 mg/kg	<0.001	-
12.32	4HPFUnA	34598-33-9	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	<0.01	<0.01	**0,11**	-	-	0,001 mg/kg	<0.001	-
12.33	1H, 1H, 2H, 2H- PFOS	27619-97-2	With reference to CEN/TS 15968 and analysis with LC/MS and GC/MS analysis	0,01 µg/L	<0.01	<0.01	<0.01	-	-	0,001 mg/kg	<0.001	-
13	**Ortho- Phenylphenol**											
13.1	o-Phenylphenol (OPP)	90-43-7	With reference to USEPA 8270 or Solvent extraction and derivatisation with acetic anhydride followed by GC/MS analysis.	-	-	-	-	-	-	0,025 mg/kg	<0.025	-

Report No.:SHE15-04006

Factory:

Sampling Address:

Sampling Location	15-04006-01	15-04006-02	15-04006-03	GB 4287-2012 Discharge standards of water pollutants for dyeing and finishing of textile industry		15-04006-04	
Sampling Time	13:46	15:30	14:40			15:10	
Date Sampled	2015/08/14	2015/08/14	2015/08/14			2015/08/14	
Date Received	2015/08/17	2015/08/17	2015/08/17			2015/08/17	
Sample Description	Inlet Water	Before Treatment Water	After Treatment Water			Sludge	

				Water						Sludge		
Ref. No.	ITEMS	CAS No.	METHOD	Waste Waster Reporting Limit	Inlet	Before Treat-ment	After Treat-ment	Direct Discharge	Indirect Discharge[1]	Sludge Reporting Limit	Sludge[#]	Local Requirement (if applicable)
14	**Polycyclic Aromatic Hydrocarbons (PAHs)**											
14.1	Bezno[a]pyrene (BaP)	50-32-8	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1			1 mg/kg	<1	
14.2	Anthracene	120-12-7	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	1 mg/kg	<1	-
14.3	Pyrene	129-00-0	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	1 mg/kg	<1	-
14.4	Benzo[ghi]perylene	191-24-2	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	1 mg/kg	<1	-
14.5	Benzo[e]pyrene	192-97-2	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	1 mg/kg	<1	-
14.6	Indeno[1,2,3-cd]pyrene	193-39-5	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	1 mg/kg	<1	-
14.7	Benzo[j]fluoranthene	205-82-3	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	1 mg/kg	<1	-
14.8	Benzo[b]fluoranthene	205-99-2	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	1 mg/kg	<1	-
14.9	Fluoranthene	206-44-0	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	1 mg/kg	<1	-
14.10	Benzo[k]fluoranthene	207-08-9	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	1 mg/kg	<1	-
14.11	Acenaphthylene	208-96-8	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	1 mg/kg	<1	-
14.12	Chrysene	218-01-9	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	1 mg/kg	<1	-
14.13	Dibenz[a,h]anthracene	53-70-3	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	1 mg/kg	<1	-
14.14	Benzo[a]anthracene	56-55-3	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	1 mg/kg	<1	-
14.15	Acenaphthene	83-32-9	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	1 mg/kg	<1	-
14.16	Phenanthrene	85-01-8	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	1 mg/kg	<1	-
14.17	Fluorene	86-73-7	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	1 mg/kg	<1	-
14.18	Naphthalene	91-20-3	With reference to USEPA 8270 or Solvent extraction with GC/MS analysis	1 µg/L	<1	<1	<1	-	-	1 mg/kg	<1	-
15	**General Chemistry**											
15.1	BOD (5-day)	-	SM 5210	2 mg/L	<2	**303**	**16**	<20mg/L	<150[3] / <50[4]mg/L	-	-	-
15.2	COD	-	USEPA 410.4 or SM 5220D	5 mg/L	<5	**537**	**65**	<80mg/L	<500[3]/ <200[4]mg/L	-	-	
15.3	TSS	-	SM 2540D	5 mg/L	**25**	**37**	**11**	<50mg/L	<100mg/L	-	-	
15.4	TDS	-	SM 2540C	5 mg/L	**78**	**568**	**242**	**-**	**-**	-	-	-
15.5	Cyanide	-	APHA 4500 CN—B,C & E	0,01 mg/L	<0.01	<0.01	<0.01	-	-	0,01 mg/kg	**0,08**	-
15.6	Sulfide	-	SM 4500-S2-D	0,005 mg/L	<0.005	0.120	<0.005	<0.5mg/L	<0.5mg/L	-	-	-
15.7	pH Value	-	SM 4500H+	-	**6,37**	**5,27**	**5,84**	6-9	6-9	-	-	-
15.8	Colour	-	USEPA 110.2 or SM 2120B or ISO 7887-2011 Method D	5 CU	**10**	**250**	**15**	-	-	-	-	-
			GB/T 11903-1989	1 DF	**8**	**128**	**16**	<50	<80	-	-	-
15.9	Total phenolics	-	SM 5530B	0,002 mg/L	<0.002	<0.002	<0.002	-	-	-	-	-
15.10	Ca Hardness	-	SM 2340B	5 mg/L	<5	<5	<5	-	-	-	-	-
15.11	Mg Hardness		SM 2340B	5 mg/L	<5	<5	<5	-	-	-	-	-
15.12	AOX	-	ISO 9562 or HJ/T 83	0.8 mg/L	<0.8	<0.8	<0.8	-	-	-	-	-
15.13	Percentage moisture	-	in-house method	-	-	-	-	-	-	%	**71,6**	-

Remark:

*Best current testing technology using lowest detection

^The test result is based on the calculation of selected element(s) and to the worst-case scenario

#The sample is tested base on wet mass

1) Wastewater that discharge into the municipal wastewater treatment plant, or discharge from the municipal wastewater pipeline, must meet the requirement of direct discharge.

2) The discharge monitoring location is in the workshop or production facility wastewater outfall.

3) The guideline value (3) is applicable to the wastewater solely generated from the textile industry (without mixing with wastewater from other sources), and discharged into a centralized treatment plant in the industrial zone (including industrial park, development zone, or cluster of industry) where is specified for dyeing and finishing wastewater collection and treatment only. The effluent from centralized treatment plant must meet the guideline value in remark (4).

4) The guideline value (4) is suitable for the other indirect discharge scenarios.

5) The factory should fullfill the guideline value (4) which are 20 mg/L for BOD and 80 mg/L for COD, respectively.

End of Report

PHOTOGRAPHS

INLET

AFTER TREATMENT

BEFORE TREATMENT

SLUDGE

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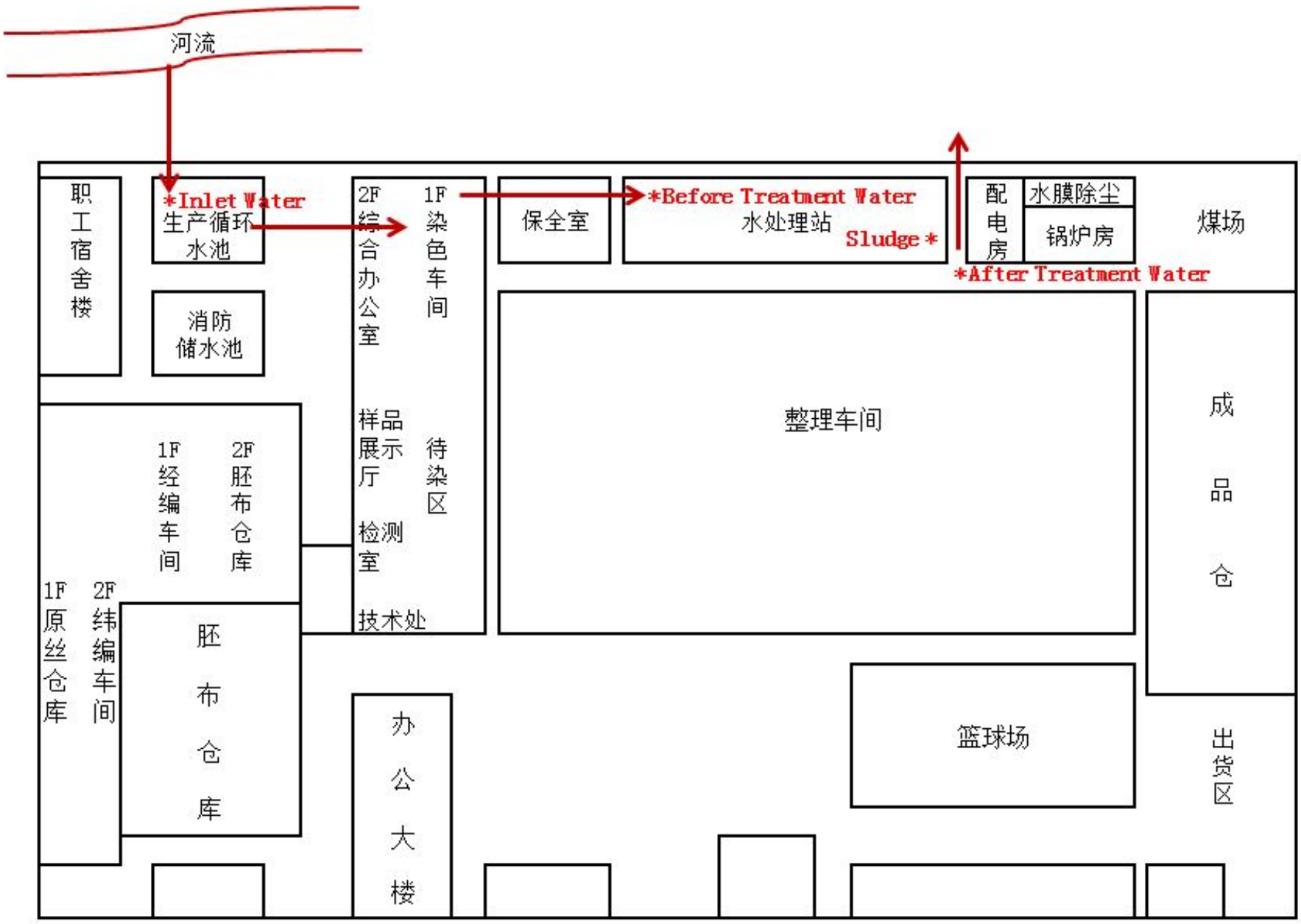
PIPING PLAN



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