

CHEMICAL ANALYSIS TEST REPORT

Report reference No. : GEL/LAB/12215 Date : 23.09.2013
Name of industry : International Textile Ltd.
Address : Plot # 12 & 27, Sector 20, Korangi Industrial Area, Karachi
Pakistan Telephone No. :
Nature of sample : Waste Water Grab/Composite : Grab
Date of sample collection : 14.09.2013
Date of sample received : 14.09.2013
Sample collected/sent by : Collected by GEL
Date of completion of analysis : 23.09.2013

S.No.	Parameters.	Unit	NEQS Limits.			Concentration	Method	Remarks.
			1	2	3			
1	Temperature.	°C	40=<3	40=<3	40=<3	27	Thermometer	
2	pH vlaue.	6-9	6-9	6-9	7.61	pH meter.	
3	BOD5	mg/l	80	250	80**	22	Hach BOD Trak 10099	
4	COD	mg/l	150	400	400	57	Hach Method 8000	
5	Total dissolved solids.	mg/l	3500	3500	3500	740	APHA 2540 C	
6	Chloride	mg/l	1000	1000	SC***	119.79	APHA 4500 Cl C	
7	Total suspended solids.	mg/l	200	400	200	<5	Hach Method 8006	
8	Fluoride.	mg/l	10	10	10	1.57	Hach Method 8029	
9	Cyanide.	mg/l	1	1	1	0.022	Merck Test (1,10044)	
10	An-ionic detergents.	mg/l	20	20	20	0.45	Hach Method 8028	
11	Phenolic compounds.	mg/l	0.1	0.3	0.3	0.22	Merck Cell Test 14551	
12	Manganese	mg/l	1.5	1.5	1.5	BDL	Hach Method 8034	
13	Oil & Grease	mg/l	10	10	10	BDL	Solvent Extraction	
14	Sulphide.	mg/l	1	1	1	0.021	Hach Method 8131	
15	Lead	mg/l	0.5	0.5	0.5	BDL	AAS	
16	Nickel*	mg/l	1	1	1	0.003	ICP-MS	
17	Silver	mg/l	1	1	1	0.263	AAS	
18	Sulphate	mg/l	600	1000	SC***	170	Hach Method 8051	
19	Zinc	mg/l	5	5	5	BDL	AAS	
20	Cadmium*	mg/l	0.1	0.1	0.1	0.0004	ICP-MS	
21	Chromium*	mg/l	1	1	1	0.024	ICP-MS	
22	Chlorine.	mg/l	1	1	1	0.070	Hach Method 8167	
23	Copper	mg/l	1	1	1	0.038	AAS	
24	Total toxic metals	mg/l	2	2	2	0.177	Sum of toxic metals	
25	Barium*	mg/l	1.5	1.5	1.5	0.035	ICP-MS	
26	Mercury*	mg/l	0.01	0.01	0.01	0.001	ICP-MS	
27	Selenium*	mg/l	0.5	0.5	0.5	0.141	ICP-MS	
28	Arsenic*	mg/l	1.0	1.0	1.0	0.001	ICP-MS	
29	Iron	mg/l	2	8	8	0.492	AAS	
30	Boron*	mg/l	6	6	6	0.287	ICP-MS	
31	Ammonia	mg/l	40	40	40	7.80	Hach Method 8038	

NEQS= National Environmental Quality Standards.

- 1 = NEQS for Municipal and Liquid Industrial Effluents into Inland Waters
- 2 = NEQS for Municipal and Liquid Industrial Effluents into Sewage Treatment
- 3 = NEQS for Municipal and Liquid Industrial Effluents into Sea

** = The Value For Industry Is 200mg/l

AAS= Atomic Absorption Spectrophotometry

* = Subcontracted from SUPARCO

This report is not valid for any negotiations.

BDL= Below detectable Limit.

Sample analyzed by : Lubna Rafique/Waleed Alam Siddiqui

Verified by :

Signature of incharge of the environmental laboratory :

Name : Muhammad Qadiruddin

Designation : GM Karachi Lab

Date : 23.09.2013

End of the Report

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