

Laboratory **Quality Assurance Department - Petrochemical Unit,
The Fertilizer and Chemicals Travancore Ltd., Udyogamandal Complex,
Kochi, Kerala**

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **02.01.2015**

Certificate Number **T-1717** **Valid Until** **01.01.2017**

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. POLLUTION & EFFLUENTS				
1.	Effluent	pH	IS 3025 (Part 11): 1983 (RA 1996)	6 mg/L to 14 mg/L
		Suspended Solids	IS 3025 (Part 17): 1984 (RA 2002)	2 mg/L to 1000 mg/L
		Biochemical Oxygen Demand	IS 3025 (Part 44): 1993	10 mg/L to 1500 mg/L
		Chemical Oxygen Demand	IS 3025 (Part 58): 2006	10 mg/L to 10000 mg/L
		Oil and Grease	IS 3025 (Part 39): 1991	4.0 mg/L to 100 mg/L
		Free Ammonia	KSPCB Chart (Environmental Engineers Hand Book, Water pollution Vol.1)	0.007 mg/L to 290 mg/L
		Ammoniacal Nitrogen	IS 3025 (Part 34): 1988 (RA 2003)	1.2 mg/L to 1000 mg/L
		Total Kjaldahl Nitrogen	APHA 22 nd Ed 4500 N B	1.5 mg/L to 5000 mg/L
		Phenolic compounds	IS 3025 (Part 43): 1992 (RA 1998)	0.04 mg/L to 10 mg/L
		Nitrate nitrogen	IS 3025 (Part 34): 1998 (RA 2003)	2 mg/L to 2500 mg/L
		Vanadium	APHA 22 nd Ed 3500-V	0.003 mg/L to 0.8 mg/L
		Arsenic	APHA 22 nd Ed 3500-AS	0.05 mg/L to 0.8 mg/L
		Total Chromium	IS 3025 (Part 52): 2003	0.05 mg/L to 10 mg/L
		Hexavalent Chromium	IS 3025 (Part 52): 2003	0.05 mg/L to 10 mg/L
		Fluoride	APHA 22 nd Ed 4500F A, B&D	0.1 mg/L to 10 mg/L
		Phosphate	APHA 22 nd Ed 4500 – P,D	0.30 mg/L to 50 mg/L

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