

Laboratory **Accurate Analysers Pvt. Ltd., F-20, MIDC, Ambad, Nashik, Maharashtra**

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

Certificate Number **TC-6804 (in lieu of T-2804)** **Page 1 of 6**

Validity **11.01.2018 to 10.01.2020** **Last Amended on 18.01.2018**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
-----	----------------------------	-------------------------	---	--

**CHEMICAL TESTING**

<b>I.</b>	<b>ATMOSPHERIC POLLUTION</b>			
<b>1.</b>	<b>Ambient Air Monitoring</b>	Particulate Matter (PM <sub>2.5</sub> )	USEPA-40CFR-Part 50-53, Appendix-L (FRM/FEM Candidate Methods) Lab SOP/QC/A10 (Issue Date 21.09.2017)	15 µg/m <sup>3</sup> to 1000 µg/m <sup>3</sup>
		Particulate Matter (PM <sub>10</sub> )	IS 5182(Part 23): 2006 Cyclonic Flow Tech.	10 µg/m <sup>3</sup> to 1000 µg/m <sup>3</sup>
		Sulphur Dioxide	IS 5182 (Part 2): 2001 Colorimetric Method, Modified West & Geake Method	25 µg/m <sup>3</sup> to 1050 µg /m <sup>3</sup>
		Oxide of Nitrogen	IS 5182(Part 6): 2006 Colorimetric Method	6 µg/m <sup>3</sup> to 420 µg/m <sup>3</sup>
		Ozone	Lab SOP/QC/A 09 ( Issue Date 21.09.2017)	10 µg/m <sup>3</sup> to 400 µg/m <sup>3</sup>
		Ammonia	Lab SOP/QC/A08, Indo Phenol Method (Issue Date 21.09.2017)	10 µg/m <sup>3</sup> to 400 µg/m <sup>3</sup>
<b>2.</b>	<b>Stack Emission Monitoring</b>	Particulate Matter (PM) (except incinerators, Boilers & DG Sets.)	IS11255 (Part 1): 1985 Gravimetric Method	10 mg/Nm <sup>3</sup> to 1000 mg/Nm <sup>3</sup>
		Sulphur Dioxide	IS 11255 (Part 2):1985, Titrimetric IPA Thorine	5 mg/Nm <sup>3</sup> to 500 mg/Nm <sup>3</sup>
		Oxides of Nitrogen	IS 11255 (Part 7):2005, PDSA Colorimetric	2 mg/Nm <sup>3</sup> to 400 mg/Nm <sup>3</sup>

**Rozina  
Convenor**

**N. Venkateswaran  
Program Director**

Laboratory

Accurate Analysers Pvt. Ltd., F-20, MIDC, Ambad, Nashik,  
Maharashtra

Accreditation Standard

ISO/IEC 17025: 2005

Certificate Number

TC-6804 (in lieu of T-2804)

Page 2 of 6

Validity

11.01.2018 to 10.01.2020

Last Amended on 18.01.2018

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
II.	<b>POLLUTION &amp; ENVIRONMENT</b>			
1.	<b>Waste Water / Effluent /Sewage</b>	Biochemical Oxygen Demand 3 days @ 27°C	IS 3025 ( Part 44) :1993, Iodometric Method, 3 days at 27°C	5 mg/L to 3000 mg/L
		Chemical Oxygen Demand Chloride as Cl <sup>-</sup>	IS 3025 (Part 58): 2006, Open Reflux Method APHA, 23 <sup>rd</sup> Ed., 2017 4500-Cl, B, 4-75 IS 3025 (Part 32) :1988 Argentometric Method	05 mg/L to 5000 mg/L 5 mg/L to 5000 mg/L
		Dissolved Oxygen	APHA, 23 <sup>rd</sup> Ed., 2017, 4500-O, B & C, 4-144 & 4-146, IS 3025 (Part 38) :1989, Winkler Method	0.5 mg/L to 12 mg/L
		pH	APHA, 23 <sup>rd</sup> Ed., 2017 4500-H <sup>+</sup> , B-4-95 , IS 3025( Part 11) 1983, Electrometric Method	3 to 12
		Oil & Grease	APHA, 23 <sup>rd</sup> Ed., 2017, 5520-B,, 5-42 Liquid-liquid Partition Gravimetric Method, IS 3025 (Part 39) :1991 Partition Gravimetric Method & Partition Gravimetric Method	4.5 mg/L to 100 mg/L
		Sulphate ( as SO <sub>4</sub> <sup>2-</sup> )	APHA, 23 <sup>rd</sup> Ed., 2017, 4500-SO <sub>4</sub> E-4-499, IS 3025 (Part 24) :1986,	3 mg/L to 3000 mg/L

Rozina  
Convenor

N. Venkateswaran  
Program Director

**Laboratory**

**Accurate Analysers Pvt. Ltd., F-20, MIDC, Ambad, Nashik, Maharashtra**

**Accreditation Standard**

**ISO/IEC 17025: 2005**

**Certificate Number**

**TC-6804 (in lieu of T-2804)**

**Page 3 of 6**

**Validity**

**11.01.2018 to 10.01.2020**

**Last Amended on 18.01.2018**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Total Dissolved Solids	RA 2009 Turbidity Method APHA, 23 <sup>rd</sup> Ed., 2017 2540-C-2-69 , IS 3025 (Part 16) : 1984, Gravimetric Method	5 mg/L to 10000 mg/L
		Total Suspended Solids	APHA, 23 <sup>rd</sup> Ed., 2017 2540 D-2-70, IS 3025 ( Part 17):1984 Gravimetric Method	5 mg/L to 1000 mg/L
		Total Acidity as Calcium carbonate	APHA, 23 <sup>rd</sup> Ed., 2017, 2310-B-2-34 , IS 3025 (Part 22):1986, Titration Method	0.5 mg/L to 500 mg/L
		Total Alkalinity as Calcium carbonate	APHA, 23 <sup>rd</sup> Ed., 2017, 2320-B-2-37 , IS 3025 (Part 23):1986, Titration Method (Amendment No.1 September 2000)	0.5 mg/L to 500 mg/L
III.	<b>WATER</b>			
1.	<b>Surface water/ ground &amp; Borewell water</b>	Biochemical Oxygen Demand 3 days @ 27°C	IS 3025 ( Part 44) :1993, Iodometric Method, 3 days at 27°C	5 mg/L to 3000 mg/L
		Chemical Oxygen Demand	APHA, 23 <sup>rd</sup> Ed., 2017, 5220-B , 5-18 Open Reflux Method, IS 3025 (Part 58): 2006 ,Open Reflux Method	05 mg/L to 5000 mg/L
		Chloride as Cl <sup>-</sup>	APHA, 23 <sup>rd</sup> Ed., 2017 4500-Cl, B, 4-75 , IS 3025	5 mg/L to 5000 mg/L

**Rozina  
Convenor**

**N. Venkateswaran  
Program Director**

**Laboratory**                      **Accurate Analysers Pvt. Ltd., F-20, MIDC, Ambad, Nashik, Maharashtra**

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

**Certificate Number**        **TC-6804 (in lieu of T-2804)**

**Page 4 of 6**

**Validity**                        **11.01.2018 to 10.01.2020**

**Last Amended on 18.01.2018**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
			(Part 32) :1988 Argentometric Method	
		Dissolved Oxygen	APHA, 23 <sup>rd</sup> Ed., 2017, 4500-O, B & C, 4-144 & 4-146 , IS 3025 (Part 38) :1989, Winkler Method	0.5 mg/L to 12 mg/L
		pH	APHA, 23 <sup>rd</sup> Ed., 2017 4500-H <sup>+</sup> , B-4-95 , IS 3025( Part 11) 1983, Electrometric Method	3 to 12
		Oil & Grease	APHA, 23 <sup>rd</sup> Ed., 2017, 5520-B,, 5-42 Liquid-liquid Partition Gravimetric Method, IS 3025 (Part 39) :1991 Partition Gravimetric Method & Partition Gravimetric Method	4.5 mg/L to 100 mg/L
		Sulphate ( as SO <sub>4</sub> <sup>2-</sup> )	APHA, 23 <sup>rd</sup> Ed., 2017, 4500-SO <sub>4</sub> E-4-499, IS 3025 (Part 24) :1986, RA 2009 Turbidity Method	3 mg/L to 3000 mg/L
		Total Dissolved Solids	APHA, 23 <sup>rd</sup> Ed., 2017 2540-C-2-69, IS 3025 (Part 16) : 1984, Gravimetric Method	5 mg/L to 10000 mg/L
		Total Suspended Solids	APHA, 23 <sup>rd</sup> Ed., 2017 2540 D-2-70, IS 3025 ( Part 17):1984 Gravimetric Method	5 mg/L to 1000 mg/L

**Rozina  
Convenor**

**N. Venkateswaran  
Program Director**

Laboratory **Accurate Analysers Pvt. Ltd., F-20, MIDC, Ambad, Nashik, Maharashtra**

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

Certificate Number **TC-6804 (in lieu of T-2804)**

Page 5 of 6

Validity **11.01.2018 to 10.01.2020**

Last Amended on **18.01.2018**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Total Acidity as Calcium carbonate	APHA, 23 <sup>rd</sup> Ed., 2017, 2310-B-2-34, IS 3025 (Part 22):1986, Titration Method	0.5 mg/L to 500 mg/L
		Total Alkalinity as Calcium carbonate	APHA, 23 <sup>rd</sup> Ed., 2017, 2320-B-2-37, IS 3025 (Part 23):1986, Titration Method (Amendment No.1 September 2000)	0.5 mg/L to 500 mg/L
2.	<b>Drinking water &amp; Borewell water</b>	Chloride as Cl <sup>-</sup>	APHA, 23 <sup>rd</sup> Ed., 2017 4500-Cl, B, 4-75, IS 3025 (Part 32) :1988 Argentometric Method	5 mg/L to 250 mg/L
		pH	APHA, 23 <sup>rd</sup> Ed., 2017 4500-H <sup>+</sup> , B-4-95, IS 3025( Part 11) 1983, Electrometric Method	3 to 12
		Mineral oil	APHA, 23 <sup>rd</sup> Ed., 2017, 5520-B,, 5-42 Liquid-liquid Partition Gravimetric Method, IS 3025 (Part 39) :1991 Partition Gravimetric Method & CPCB Guidelines Partition Gravimetric Method	0.5 mg/L to 10 mg/L
		Sulphate ( as SO <sub>4</sub> <sup>2-</sup> )	APHA, 23 <sup>rd</sup> Ed., 2017, 4500-SO <sub>4</sub> E-4-499, IS 3025 (Part 24) :1986, RA 2009 Turbidity Method	3 mg/L to 200 mg/L

**Laboratory**                      **Accurate Analysers Pvt. Ltd., F-20, MIDC, Ambad, Nashik, Maharashtra**

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

**Certificate Number**        **TC-6804 (in lieu of T-2804)**

**Page 6 of 6**

**Validity**                        **11.01.2018 to 10.01.2020**

**Last Amended on 18.01.2018**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Total Dissolved Solids	APHA, 23 <sup>rd</sup> Ed., 2017 2540-C-2-69 , IS 3025 (Part 16) : 1984, Gravimetric Method	5 mg/L to 500 mg/L
		Total Suspended Solids	APHA, 23 <sup>rd</sup> Ed., 2017 2540 D-2-70, IS 3025 ( Part 17):1984 Gravimetric Method	5 mg/L to 500 mg/L
		Total Acidity as Calcium carbonate	APHA, 23 <sup>rd</sup> Ed., 2017, 2310-B-2-34 , IS 3025 (Part 22):1986, Titration Method	0.5 mg/L to 500 mg/L
		Total Alkalinity as Calcium carbonate	APHA, 23 <sup>rd</sup> Ed., 2017, 2320-B-2-37, IS 3025 (Part 23):1986, Titration Method (Amendment No.1 September 2000)	0.5 mg/L to 500 mg/L

**Rozina  
Convenor**

**N. Venkateswaran  
Program Director**