

Laboratory Aditya Environ, 240-241, Second Floor, Girnar Khushbu Plaza, Valsad, Vapi, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-8238

Page 1 of 5

Validity 01.01.2019 to 31.12.2020

Last Amended on --

"In view of the transition for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020"

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

CHEMICAL TESTING

I.	WATER			
1.	Drinking Water	Colour	IS 3025 (Part 4)	1 Co-Pt units to 50 Co-Pt units
		Turbidity	APHA 2130 B IS 3025 (Part 10)	1 NTU to 100 NTU
		Total Dissolved Solids	APHA 2540 C IS 3025 (Part 16)	5 mg/l to 5000 mg/l
		Nitrite	IS 3025 (Part 34)	1 mg/l to 100 mg/l
		Sulphate	IS 3025 (Part 24)	5 mg/l to 500 mg/l
		Chloride	IS 3025 (Part 32) APHA 4500Cl B	5 mg/l to 2000 mg/l
		Alkalinity	IS 3025 (Part 23)	2.0 mg/l to 1500 mg/l
		Calcium	IS 3025 (Part 40)	5 mg/l to 250 mg/l
		Magnesium	IS 3025 (Part 46)	2.0 mg/l to 250 mg/l
		Total Hardness	IS 3025 (Part 21)	5.0 mg/l to 1500 mg/l
II.	RESIDUES IN WATER			
1.	Drinking Water	Zinc	IS 3025 (Part 49)	0.5 mg/l to 10.0 mg/l
		Iron	IS 3025 (Part 53)	1 mg/l to 50 mg/l
		Lead	IS 3025 (Part 47)	0.5 mg/l to 10.0 mg/l
		Arsenic	IS 3025 (Part 37)	0.1 mg/l to 10.0 mg/l
		Total Phenol	IS 3025 (Part 43)	0.5 mg/l to 50 mg/l
		Cyanide	IS 3025 (Part 27)	0.5 mg/l to 2 mg/l
		Fluoride	IS 3025 (Part 60)	0.5 mg/l to 10.0 mg/l

Laboratory Aditya Environ, 240-241, Second Floor, Girnar Khushbu Plaza, Valsad, Vapi, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-8238

Page 2 of 5

Validity 01.01.2019 to 31.12.2020

Last Amended on --

"In view of the transition for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020"

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are	Range of Testing / Limits of Detection
		Cadmium	CPCB Guide Manual Water and waste water analysis 28.3 B	0.5 mg/l to 5.0 mg/l
		Boron	IS 3025 (Part 57)	1 mg/l to 10 mg/l
III.	POLLUTION & ENVIRONMENT			
1.	Waste Water/Industrial Effluent Sewage	pH	IS 3025 (Part 11) APHA 4500 H ⁺	2 to 12
		Temperature	IS 3025 (Part 9) APHA 2550 B	5 °C to 60 °C
		Colour	IS 3025 (Part 4)	2 Hazen to 99 Hazen
		Turbidity	IS 3025 (Part 10)	0.1 NTU to 200 NTU
		Conductivity	IS 3025 (Part 14)	0.2 mS/cm to 200 mS/cm
		Chloride	IS 3025 (Part 32) APHA 4500 Cl B	5 mg/l to 30000 mg/l
		Chemical Oxygen Demand	IS 3025 (Part 58) APHA 5220 B	5 mg/l to 95000 mg/l
		Biochemical Oxygen Demand	IS 3025 (Part 44)	10 mg/l to 25000 mg/l
		Total Dissolved Solids	IS 3025 (Part 16) APHA 2540 C	5 mg/l to 50000 mg/l
		Total Suspended Solids	IS 3025 (Part 17) APHA 2540 D	5 mg/l to 25000 mg/l
		Dissolved Oxygen	IS 3025 (Part 38) APHA 4500 O	0.5 mg/l to 10 mg/l
		Total Solids	IS 3025 (Part 15) APHA 2540 B	10 mg/l to 50000 mg/l
	Ammonical Nitrogen	IS 3025 (Part 34) APHA 4500 NH ₃ B & C	0.5 mg/l to 1000 mg/l	

Laboratory Aditya Environ, 240-241, Second Floor, Girnar Khushbu Plaza, Valsad, Vapi, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-8238

Page 3 of 5

Validity 01.01.2019 to 31.12.2020

Last Amended on --

"In view of the transition for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020"

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are	Range of Testing / Limits of Detection
		Acidity	IS 3025 (Part 22)	0.5 mg/l to 500 mg/l
		Alkalinity	IS 3025 (Part 23)	5 mg/l to 2000 mg/l
		Total Hardness	IS 3025 (Part 21)	5.0 mg/l to 2000 mg/l
		Calcium Hardness	IS 3025 (Part 40)	4.0 mg/l to 1000 mg/l
		Magnesium Hardness	IS 3025 (Part 21)	4.0 mg/l to 1000 mg/l
		Calcium	IS 3025 (Part 40)	2 mg/l to 500 mg/l
		Magnesium	IS 3025 (Part 46)	2.0 mg/l to 500 mg/l
		Total Phenol	IS 3025 (Part 43)	0.5 mg/l to 100 mg/l
		Cyanide	IS 3025 (Part 27)	0.5 mg/l to 50 mg/l
		Fluoride	IS 3025 (Part 60)	0.5 mg/l to 20.0 mg/l
		Sulphate	IS 3025 (Part 24)	1 mg/l to 25000 mg/l
		Oil & Grease	IS 3025 (Part 39)	1 mg/l to 1000 mg/l
		Nitrite	IS 3025 (Part 34)	1 mg/l to 100 mg/l
		Phosphate	IS 3025 (Part 31)	1.0 mg/l to 100 mg/l
		Chromium	IS 3025 (Part 52)	0.5 mg/l to 10.0 mg/l
		Copper	IS 3025 (Part 42)	0.1 mg/l to 100.0 mg/l
		Arsenic	IS 3025 (Part 37)	0.1 mg/l to 10.0 mg/l
		Nickel	IS 3025 (Part 54)	1.0 mg/l to 150 mg/l
		Cadmium	APHA 3111 B IS 3025 (Part 41)	0.5 mg/l to 10.0 mg/l
		Lead	IS 3025 (Part 47)	0.5 mg/l to 10.0 mg/L
		Zinc	IS 3025 (Part 49)	0.5 mg/l to 10.0 mg/l
		Boron	IS 3025 (Part 57)	1 mg/l to 100 mg/l
		Iron	IS 3025 (Part 53)	1 mg/l to 100 mg/l
		Silica	IS 3025 (Part 35)	0.5 mg/l to 10.0 mg/l
		Aluminum	IS 3025 (Part 55)	1 mg/l to 100 mg/l
		Nitrate	IS 3025 (Part 34)	0.1 mg/l to 250 mg/l
IV.	ATMOSPHERIC POLLUTION			

Laboratory **Aditya Environ, 240-241, Second Floor, Girnar Khushbu Plaza, Valsad, Vapi, Gujarat**

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

Certificate Number **TC-8238**

Page 4 of 5

Validity **01.01.2019 to 31.12.2020**

Last Amended on --

"In view of the transition for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020"

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are	Range of Testing / Limits of Detection
1.	Ambient Air	PM ₁₀	IS 5182 (Part 23)	12 µg/m ³ to 800 µg/m ³
		PM _{2.5}	Guidelines for Manual Sampling & Analysis Vol. I (May-2011):CPCB Page No.:15-30	12 µg/m ³ to 400 µg/m ³
		Sulphur Dioxide as SO ₂	IS 5182 (Part 2)	9 µg/m ³ to 200 µg/m ³
		Nitrogen Oxides as NO ₂	IS 5182 (Part 5 & 6)	6 µg/m ³ to 300 µg/m ³
		Chlorine	IS 5182 (Part 19)	20 µg/m ³ to 2000 µg/m ³
		Hydrogen Sulphide	IS 5182 (Part 7)	10 µg/m ³ to 50 µg/m ³
		Ammonia	Guidelines for Manual Sampling & Analysis Vol.I (May-2011):CPCB Page No.:35-38	2 µg/m ³ to 600 µg/m ³
		CS ₂	IS 5182 (Part 20)	600 µg/m ³ to 2100 µg/m ³
		Ozone	IS 5182 (Part 9)	20 µg/m ³ to 200 µg/m ³
		2.	Stack Emissions	PM
SO ₂	IS 11255 (Part 2)			5 mg/Nm ³ to 1000 mg/Nm ³
NO _x	IS 11255 (Part 7)			5 mg/Nm ³ to 400 mg/Nm ³
Ammonia	IS 11255 (Part 6)			5 mg/Nm ³ to 500 mg/Nm ³
H ₂ S	IS 11255 (Part 4)			5 mg/Nm ³ to 50 mg/Nm ³
CS ₂	IS 11255 (Part 4)			5 mg/Nm ³ to 50 mg/Nm ³
CO ₂	IS 13270 (Part 26) USEPA Method 3A 1999			0.1 % to 20 %
Carbon Monoxide	IS 13270 (Part 26) USEPA Method 10:1996			10 mg/Nm ³ to 10000 mg/Nm ³

Laboratory Aditya Environ, 240-241, Second Floor, Girnar Khushbu Plaza, Valsad, Vapi, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-8238

Page 5 of 5

Validity 01.01.2019 to 31.12.2020

Last Amended on --

"In view of the transition for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020"

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are	Range of Testing / Limits of Detection
				0.001 % to 1 %
		Bromine	AE/WP/AIR/16	0.1 mg/Nm ³ to 4 mg/Nm ³
		Hydrogen chloride	AE/WP/AIR/17	0.2 mg/Nm ³ to 50 mg/Nm ³
		Hydrogen bromide	AE/WP/AIR/18	0.3 mg/Nm ³ to 50 mg/Nm ³
		Chlorine	AE/WP/AIR/19	0.5 mg/Nm ³ to 5 mg/Nm ³