

Laboratory Insta Pollutech Labs, 'Imrat', Gali No. B/23, Raikar Nagar, Dhayarigaon, Sinhadgad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6476

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Validity 03.11.2017 to 02.11.2019

Last Amended on --

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

I.	WATER			
1.	Potable/ Domestic / Irrigation/ Industrial & Borewell Water	pH Value	IS 3025 (Part 11) 1983, Reaffirmed 2012	4 to 12
		Turbidity	IS 3025 (Part 10) 1984, Reaffirmed 2012	1 NTU to 100 NTU
		Magnesium	IS 3025 (Part 46) 1994, Reaffirmed 2012	2 mg/l to 100 mg/l
		Total hardness	IS 3025 (Part 21) 2009	1 mg/l to 300 mg/l
		Iron	IS 3025 (Part 53) 2003, Reaffirmed 2009	0.075 mg/l to 5 mg/l
		Chloride	IS 3025 (Part 32) 1988, Reaffirmed 2009	5 mg/l to 2000 mg/l
		Total Dissolved Solid	IS 3025 (Part 16) 1984, Reaffirmed 2012	05 mg/l to 2500 mg/l
		Calcium	IS 3025 (Part 40) 1991, Reaffirmed 2009	2 mg/l to 250 mg/l
		Total Alkalinity	IS 3025 (Part 23) 1986	1.0 mg/l to 500 mg/l
		Phosphate	IS 3025 (Part 31) 1988, Reaffirmed 2014	0.05 mg/l to 100 mg/l
		Chemical Oxygen Demand	IS 3025 (Part 58) 2006	5 mg/l to 250 mg/l
		Total suspended Solid	IS 3025 (Part 17) 1984, Reaffirmed 2012	05 mg/l to 500 mg/l
		BOD	IS 3025 (Part 44) 1993, Reaffirmed 2014	5 mg/l to 200 mg/l
		Oil & Grease	IS 3025 (Part 39) 1991, Reaffirmed 2009	1 mg/l to 50 mg/l
		Sulphate	IS 3025 (Part 24) 1986, Reaffirmed 2009	01 mg/l to 400 mg/l
		Lead	IS 3025 (Part 47) 1994, Reaffirmed 2003	0.05 mg/l to 10 mg/l

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		Copper	IS 3025 (Part 42) 1992, Reaffirmed 2003	0.05 mg/l to 10 mg/l
		Zinc	IS 3025 (Part 49) 1986	0.05 mg/l to 10 mg/l
		Dissolved Oxygen	IS 3025 (Part 38)	1.0 mg/l to 15 mg/l
		Conductivity	IS 3025 (Part 14)	1 μ S/cm to 20000 μ S/cm
		Nickel	IS 3025 (Part 54)	0.05 mg/l to 5.0 mg/l
		Silica	IS 3025 (Part 35)	0.05 mg/l to 50 mg/l
II.	POLLUTION & ENVIRONMENT			
1.	Waste Water	pH Value	IS 3025 (Part 11) 1983	2 to 12
		Turbidity	IS 3025 (Part 10) 1984	1 NTU to 1000 NTU
		Magnesium	IS 3025 (Part 46) 1994	5 mg/l to 100 mg/l
		Total hardness	IS 3025 (Part 21) 1983	1 mg/l to 300 mg/l
		Iron	IS 3025 (Part 53) 2003	0.075 mg/l to 5 mg/l
		Chloride	IS 3025 (Part 32) 1988	5 mg/l to 2000 mg/l
		Total Dissolved Solid	IS 3025 (Part 16) 1984	05 mg/l to 2500 mg/l
		Calcium	IS 3025 (Part 40) 1991	2 mg/l to 250 mg/l
		Total Alkalinity	IS 3025 (Part 23) 1986	0.5 mg/l to 500 mg/l
		Phosphate	IS 3025 (Part 31)	0.05 mg/l to 100 mg/l
		Chemical Oxygen Demand	IS 3025 (Part 58) 2006	10 mg/l to 2500 mg/l
		Total suspended Solid	IS 3025 (Part 17) 1984	05 mg/l to 500 mg/l
		BOD	IS 3025 (Part 44) 1993, Reaffirmed 2003	5 mg/l to 2000 mg/l
		Oil & Grease	IS 3025 (Part 39) 1991, Reaffirmed 2003	1 mg/l to 100 mg/l
		Sulphate	IS 3025 (Part 24) 1986, Reaffirmed 1996	05 mg/l to 400 mg/l
		Lead	IS 3025 (Part 47) 1994, Reaffirmed 2003	0.05 mg/l to 100 mg/l
		Copper	IS 3025 (Part 42) 1992, Reaffirmed 2003	0.05 mg/l to 100 mg/l
		Zinc	IS 3025 (Part 49) 1986	0.05 mg/l to 10 mg/l

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		Dissolved Oxygen	IS 3025 (Part 38)	1.0 mg/l to 15 mg/l
		Conductivity	IS 3025 (Part 14)	1 μ S/cm to 20000 μ S/cm
		Nickel	IS 3025 (Part 54)	0.05 mg/l to 25 mg/l
		Silica	IS 3025 (Part 35)	0.05 mg/l to 100 mg/l
III.	ATMOSPHERIC POLLUTION			
1.	Ambient Air	Sulphur Dioxide (SO ₂)	IS 5182 (Part 2) 2001, Reaffirmed 2012	10 μ g/m ³ to 1050 μ g/m ³
		Oxides of Nitrogen (NO _x)	IS 5182 (Part 6) 2001, Reaffirmed 2012	10 μ g/m ³ to 750 μ g/m ³
		Respirable Suspended Particulate Matter (PM ₁₀)	IS 5182 (Part 23) 2001, Reaffirmed 2012	10 μ g/m ³ to 1000 μ g/m ³
		Ozone	IS 5182 (Part 09), 1974 Reaffirmed 2003	5 μ g/m ³ to 200 μ g/m ³
		Ammonia	IPL/SOP/01 (Issue no-01, Issue date-15.01.17)	5 μ g/m ³ to 200 μ g/m ³
		Lead	IS 3025 (Part 47) 1994, Reaffirmed 2003	0.1 μ g/m ³ to 50 μ g/m ³
		Nickel	IPL/SOP/01 (Issue no-01, Issue date-15.01.17)	0.5 ng/m ³ to 100 ng/m ³
2.	Stack Emission	PM Particulate matter (Except Boilers, DG Sets & Incinerator)	IS 11255(Part-01)	10 mg/Nm ³ to 1000 mg/Nm ³
		SO _x	IS 11255(Part-02)	5 mg/Nm ³ to 1200 mg/Nm ³

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AT-SITE				
I.	ATMOSPHERIC POLLUTION			
1.	Noise	Ambient Noise Level	IS 9989-2001/ISA :9876	30 dB (A) to 130 dB (A)
		Source Noise Level	IS 9989-2001/ISA :9876	