

Laboratory ABD Laboratories Private Limited, #68, H2(I), Hootagalli Industrial Area, Mysore, Karnataka

Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing **Issue Date** 28.03.2014

Certificate Number T-2890 **Valid Until** 27.03.2016

Last Amended on - **Page** 1 of 7

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I	WATER			
1.	Potable Water Ground Water Surface Water RO Water DM Water	Acidity	IS:3025(Part 22)1988 method (Reaffirmed 2003), Indicator Method	1-1000mg/l
		Alkalinity	IS:3025(Part 23)1986-method 2 (Reaffirmed 2003), Indicator Method	1-1000mg/l
		Ammonical Nitrogen	IS:3025(Part 34)1988-method 2.3 (Reaffirmed 2003), Phenate Method	1-150mg/l
		Nitrate Nitrogen	IS:3025(Part 34)1986-method 2.3 (Reaffirmed 2003), Cadmiun Reduction Method	0.1-50mg/l
		Nitrite Nitrogen	IS:3025(Part 23)1986-method 2.3 (Reaffirmed 2003), Spectrophotometric Method	0.01-1mg/l
		Boron	IS:3025(Part 57) 2005 Colorimetric Curcumin Method	0.005-1mg/l
		Chloride	IS:3025(Part 32)-1988-method 2 (Reaffirmed 2003), Agrometric Method	0.5-25000mg/l
		Chlorine Residual	IS:3025(Part 26)-1986-method 3 (Reaffirmed 2003), Iodometric Method	0.4-5mg/l

Laboratory	ABD Laboratories Private Limited, #68, H2(I), Hootagalli Industrial Area, Mysore, Karnataka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	28.03.2014
Certificate Number	T-2890	Valid Until	27.03.2016
Last Amended on	-	Page	2 of 7

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Chromium Hexavalent	IS:3025(Part 52)2003, Diphenly Carbazide Method	0.02-1mg/l
		Electrical Conductivity	IS:3025(Part 14)-1984-method 4 (Reaffirmed 2003), Conductivity Meter	1-1000µs/cm
		Dissolved Oxygen	IS:3025(Part 38)-1989, Winkler's Method	0.1-7mg/l
		Fluoride	IS:3025(Part 60)-2008, Color Comparison Method	0.02-6mg/l
		Calcium	IS:3025(Part40)-1991-method 5 (Reaffirmed 2003), Volumetric Method using EDTA	1-1000mg/l
		Total Hardness	IS:3025(Part 21)-1983-method 2 (Reaffirmed 2002), Volumetric method using EDTA	1-2500mg/l
		Iron	IS:3025(Part 53)-2003-method 6.1,1,10 phenonthroline Method	0.01-2mg/l
		Magnesium	IS:3025(Part 46)-1994-method 6 (Reaffirmed2003), Volumetric Method using EDTA	1-1000mg/l
		pH	IS:3025(Part 11)-1983-method 2 (Reaffirmed2002), Electrometric Method	3-12

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Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	28.03.2014
Certificate Number	T-2890	Valid Until	27.03.2016
Last Amended on	-	Page	3 of 7

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		Total Phosphate	IS:3025(Part 31)-1988 method 3 (Reaffirmed 2003), Vanadomolybdate Method	0.01-2mg/l
		potassium	IS:3025(Part 45)-1993 method 6, Flame Emission Photometric Method	0.1-20mg/l
		Silica	IS:3025(Part 35)-1988 method 2 (Reaffirmed 2003), Molybdo-silicate Method	0.01-20mg/l
		Sodium	IS:3025(Part 45)-1993 method 6, Flame Emission Photometric Method	0.4-401mg/l
		Total Dissolved Solids	IS:3025(Part 16)-1984 method 6 (Reaffirmed 2002), Gravimetric Method	4-27000mg/l
		Sulphate	IS:3025(Part 24)-1986 method 2, Turbidometric Method	1-400mg/l
		Total Suspended Solids	IS:3025(Part 17)-1984 method 4 (Reaffirmed 2002), Gravimetric Method	5-500mg/l
		Temperature	IS:3025(Part 9)-1984 method 4 (Reaffirmed 1996), Thermometer	Ambient 50°C

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Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	28.03.2014
Certificate Number	T-2890	Valid Until	27.03.2016
Last Amended on	-	Page	4 of 7

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Turbidity	IS:3025(Part 10)-1984 method 4 (Reaffirmed 2002), Nephelometric Method	0.02-60NTU
2.	Effluent Water	Acidity	IS:3025(Part 22)1988 method (Reaffirmed 2003), Indicator Method	1-10000mg/l
		Alkalinity	IS:3025(Part 23)1986-method 2 (Reaffirmed 2003), Indicator Method	1-10000mg/l
		Ammonical Nitrogen	IS:3025(Part 34)-1988-method 2.3 (Reaffirmed2003), Phenate Method	1-1500mg/l
		Nitrate Nitrogen	IS:3025(Part 34)-1986-method 2.3 (Reaffirmed 2003), Cadmiun Reduction Method	0.01-500mg/l
		Nitrite Nitrogen	IS:3025(Part 23)-1986-method 2.3 (Reaffirmed 2003), Spectrophotometric Method	0.01-10mg/l
		Boron	IS:3025(Part 57)-2005 Colorimetric Curcumin Method	0.005-1mg/l
		Chloride	IS:3025(Part 32)-1988-method 2 (Reaffirmed 2003), Agrometric Method	0.5-25000mg/l
		Chlorine Residual	IS:3025(Part 26)-1986-method 3 (Reaffirmed 2003), Iodometric Method	0.4-50mg/l

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Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing **Issue Date** 28.03.2014

Certificate Number T-2890 **Valid Until** 27.03.2016

Last Amended on - **Page** 5 of 7

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		Chromium Hexavalent	IS:3025(Part 52)-2003, Diphenly Carbazide Method	0.02-1mg/l
		Electrical Conductivity	IS:3025(Part 14)-1984-method 4 (Reaffirmed 2003), Conductivity Meter	1-10000µs/cm
		Dissolved Oxygen	IS:3025(Part 38)-1989, Winkler's Method	0.1-7mg/l
		Fluoride	IS:3025(Part 60)-2008, Color Comparison Method	0.02-2mg/l
		Calcium	IS:3025(Part 40)-1991-method 5 (Reaffirmed 2003), Volumetric Method using EDTA	1-10000mg/l
		Total Hardness	IS:3025(Part 21)-1983-method 2 (Reaffirmed 2002), Volumetric method using EDTA	1-25000mg/l
		Iron	IS:3025(Part 53)-2003-method 6.1,1,10 phenonthroline Method	0.01-2mg/l
		Magnesium	IS:3025(Part 46)-1994-method 6 (Reaffirmed 2003), Volumetric Method using EDTA	1-10000mg/l
		Biochemical Oxygen Demand	IS:3025(Part 44)-1993-method 9 (Reaffirmed 1999), Incubation Method	5-20000mg/l

Laboratory	ABD Laboratories Private Limited, #68, H2(I), Hootagalli Industrial Area, Mysore, Karnataka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	28.03.2014
Certificate Number	T-2890	Valid Until	27.03.2016
Last Amended on	-	Page	6 of 7

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		pH	IS:3025(Part 11)-198-method2 (Reaffirmed 2002), Electrometric Method	3-12
		Total Phosphate	IS:3025(Part 31)-1988-method3 (Reaffirmed 2003), Vanadomolybdate Method	0.01-2mg/l
		Potassium	IS:3025(Part 45)-1993-method 6, Flame Emission Photometric Method	0.1-20mg/l
		Silica	IS:3025(Part 35)-1988-method 2 (Reaffirmed2003), Molybdsilicate Method	0.01-2mg/l
		Sodium	IS:3025(Part45)-1993-method 6, Flame Emission Photometric Method	0.4-401mg/l
		Total Dissolved Solids	IS:3025(Part16)-1984-method 6 (Reaffirmed 2002), Gravimetric Method	4-27000mg/l
		Sulphate	IS:3025(Part 24)-1986method 2, Turbidometric Method	1-400mg/l
		Chemical Oxygen Demand	IS:3025(Part 58)-2006-method 9 Open reflux Method	4-5000mg/l
		Total Suspended Solids	IS:3025(Part 17)-1984-method 4 (Reaffirmed 2002), Gravimetric Method	5-500mg/l

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Accreditation Standard ISO/IEC 17025: 2005
Discipline Chemical Testing **Issue Date** 28.03.2014
Certificate Number T-2890 **Valid Until** 27.03.2016
Last Amended on - **Page** 7 of 7

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		Temperature	IS:3025(Part 9)-1984-method 4 (Reaffirmed 1996), Thermometer	Ambient 50°C
		Turbidity	IS:3025(Part 10)-1984method 4 (Reaffirmed 2002), Nephelometric Method	0.02-1000NTU

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