

Laboratory K. N. Biosciences (India) Pvt. Ltd., Survey No: 487, Bachupally (V), Quthubullapur (M), Rangareddy District, Telangana

Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing **Issue Date** 28.03.2014

Certificate Number T-2167 **Valid Until** 27.03.2016

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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
1	WATER			
	Drinking Water/ Ground Water	Color	IS 3025(Part 4): 1983 APHA-22 nd Edition, 2120B-2005	10-25 Hazen units
		Turbidity	IS 3025(PART 10): 1984 APHA-22 nd Edition, 2130B-2005	1-400 NTU
		pH	IS 3025(Part 11): 1983 APHA-22 nd Edition, 4500H+B-2005	1-14
		Conductivity	IS 3025(Part 40): 1991 APHA-22 nd Edition, 2510B-2005	1-2000 micromhos/cm
		Total Alkalinity	IS 3025(Part 23): 1986 APHA-22 nd Edition, 2320B-2005	10-1000mg/L
		Total Hardness	IS 3025(Part 21): 1983 APHA- 22 nd Edition, 2340C-2005	1-1000mg/ L
		Calcium as Ca	IS 3025(Part 40): 1991 APHA- 22 nd Edition,2340C-2005	1-1000mg/ L
		Magnesium as Mg	IS 3025(Part 46): 1984 APHA-22 nd Edition, 2340C-2005	1-1000mg/ L
		Total Dissolved Solids at 180 ^o C	IS 3025(Part 16): 1984 APHA-22 nd Edition, 2540C-2005	5-5000mg/ L

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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
		Residual free Chlorine as Cl ₂	IS 3025(Part 26): 1986 APHA-22 nd Edition, 4500- Cl ⁻ B-2005	5-5000mg/l
		Chloride as Cl ⁻	IS 3025(Part 32): 1988 APHA-22 nd Edition, 4500 Cl ⁻ B-2005	5-1000 mg/L
		Fluoride as F ⁻	IS 3025(Clause 23): 1964 APHA-22 nd Edition, 4500F ⁻ D-2005	0.1-10 mg/L
		Sulphate as SO ₄ ²⁻	IS 3025(Part 24):1986 APHA- 22 nd Edition, 4500- SO ₄ ²⁻ D-2005	1-200 mg/L
		Nitrogen (Nitrate) as NO ₃ ⁻ N	IS 3025(Part 34):1988 APHA-22 nd Edition, 4500NO ₃ ⁻ NB-2005	10-100 mg/L
		COD (only for ground water	IS 3025(Part 44):1989 APHA-22 nd Edition, 5220B-2005	10-100 mg/L
2	Waste Water	Color	IS 3025(Part 4): 1983 APHA-22 nd Edition, 2120B-2005	1-50 Hazen units
		pH	IS 3025(Part 11): 1983 APHA-22 nd Edition, 4500H+B-2005	1-14
		Temperature	APHA-22 nd Edition, 2550-A,B-2005	0-50°C

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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
		Total Suspended Solids dried at 103°C - 105°C	APHA-22 nd Edition, 2540-D-2005	10-100 mg/L
		Turbidity	IS 3025(Part 10): 1984 APHA-22 nd Edition, 2130B-2005	1-1000 NTU
		Conductivity	IS 3025(Part 40): 1991 APHA-22 nd Edition, 2510B-2005	1-5000 micromhos/cm
		Total Alkalinity	IS 3025(Part 23): 1986 APHA-22 nd Edition, 2320B-2005	5-1000mg/L
		Sulphate as SO ₄ ²⁻	IS 3025(Part 24): 1986 APHA-22 nd Edition, 4500D-2005	5-1000 mg/L
		Phosphate as P	APHA-22 nd Edition, 4500-P C-2005	0.1-100 mg/L
		Fluoride as F ⁻	IS 3025(Clause 23): 1964 APHA-22 nd Edition, 4500F D 2005	0.1-10 mg/L
		Chlorides as Cl ⁻	IS 3025(Part 32): 1988 APHA-22 nd Edition, 4500 Cl ⁻ B 2005	5-1000 mg/L
		Iron as Fe	IS 3025(Part 53): 2003, IS 15303 APHA-22 nd Edition, 3500B-2005	0.1-100 mg/L

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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
		Calcium as Ca	IS 3025(Part 40): 1991 APHA-22 nd Edition, 2340C-2005	1-1000mg/L
		Magnesium as Mg	IS 3025(Part 46): 1994 APHA-22 nd Edition, 2340C -2005	1.0-1000 mg/L
		Residual free Chlorine as Cl ₂	IS 3025(Part 26): 1986 APHA-22 nd Edition, 4500 Cl ₂ B 2005	0.2-20 mg/L
		Chlorine Oxygen Demand (COD)	IS 3025(Part 44): 1989 APHA-22 nd Edition, 5220 B-2005	10-100 mg/L
3	Packaged Drinking Water	Color	IS 3025(Part 4): 1983	10-25 Hazen units
		Turbidity	IS 3025(PART 10): 1984	1-400 NTU
		pH	IS 3025(Part 11): 1983	1-14
		Conductivity	IS 3025(Part 40): 1991	1-2000 micromhos/cm
		Total Alkalinity	IS 3025(Part 23): 1986	10-1000mg/L
		Total Hardness	IS 3025(Part 21): 1983	1-1000mg/ L
		Calcium as Ca	IS 3025(Part 40): 1991	1-1000mg/ L
		Magnesium as Mg	IS 3025(Part 46): 1984	1-1000mg/ L

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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
		Total Dissolved Solids at 180 ^o C	IS 3025(Part 16): 1984	5-5000mg/ L
		Residual free Chlorine as Cl ₂	IS 3025(Part 26): 1986	0.2-5mg/l
		Chloride as Cl ⁻	IS 3025(Part 32): 1988	5-1000 mg/L
		Fluoride as F ⁻	IS 3025(Clause 23): 1964	0.1-10 mg/L
		Sulphate as SO ₄ ²⁻	IS 3025(Part 24):1986	1-200 mg/L
		Iron as Fe	IS 3025(Part 53):2003, IS 15303	0.1-100 mg/L
		Nitrogen (Nitrate) as NO ₃ ⁻ N	IS 3025(Part 34):1988	10-100 mg/L

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