

<b>Laboratory</b>	<b>Eco Lab, Delhi-Jaipur Highway IMT Manesar, Gurgaon, Haryana</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>24.04.2015</b>
<b>Certificate Number</b>	<b>T-3396</b>	<b>Valid Until</b>	<b>23.04.2017</b>
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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>I</b>	<b>WATER</b>			
<b>1.</b>	<b>Domestic &amp; Potable Water</b>	Odour	IS 3025 (Part 5): 1983 (RA 2012)	Qualitative (Agreeable/Disagreeable)
		Electrical Conductivity	IS 3025 (Part 14): 2013	1 µmhos/cm to 5000 µmhos/cm
		pH	IS 3025 (Part 11): 1983 (RA 2012)	2 to 12
		Chloride as Cl	IS 3025 (Part 32): 1988 (RA 2009)	2 mg/l to 1000 mg/l
		Calcium as Ca	IS 3025 (Part 40): 1991 (RA 2009)	2 mg/l to 1000 mg/l
		Magnesium as Mg	IS 3025 (Part 46): 1994 (RA 2009)	2 mg/l to 1000 mg/l
		Total Hardness as CaCO <sub>3</sub>	IS 3025 (Part 21): 2009	2 mg/l to 1000 mg/l
		Turbidity	IS 3025 (Part 10): 1984 (RA 2012)	1NTU to 100 NTU
		Sulphate as SO <sub>4</sub>	IS 3025 (Part 24): 1986 (RA 2009)	1 mg/l to 1000 mg/l
		Total Dissolved Solids	IS 3025 (Part 16): 1984 (RA 2012)	10 mg/l to 2000 mg/l
		Iron as Fe	APHA (22 <sup>nd</sup> Edition)3500 Fe-B: 2012	0.05 mg/l to 100 mg/l
		Free Residual Chlorine	IS 3025 (Part 26): 2008	1 mg/l to 50 mg/l
		Fluoride as F	IS 3025 (Part 60): 1986 (RA 2009)	0.1 mg/l to 50 mg/l
		Reactive Silica as SiO <sub>2</sub>	IS 3025 (Part 35): 1988 (RA 2008)	0.1 mg/l to 100 mg/l
		Boron as B	IS 3025 (Part 57): 2005 (RA 2010)	0.1 mg/l to 50 mg/l

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	<b>Domestic &amp; Potable Water</b>	Nitrate as NO <sub>3</sub>	IS 3025 (Part 34): 1988 (RA 2009)	1 mg/l to 100 mg/l
		Dissolved Phosphate as PO <sub>4</sub>	IS 3025 (Part 31): 1988 (RA 2009)	0.1 mg/l to 10 mg/l
<b>2.</b>	<b>Waste Water</b>	Electrical Conductivity	IS 3025 (Part 14): 2013	1 µmhos/cm to 5000 µmhos/cm
		pH	IS 3025 (Part 11): 1983 (RA 2012)	2 to 12
		Chloride as Cl	IS 3025 (Part 32): 1988 (RA 2009)	2 mg/l to 1000 mg/l
		Chemical Oxygen Demand	APHA (22 <sup>nd</sup> Edition) 5220/C: 2012	5 mg/l to 5000 mg/l
		Sulphate as SO <sub>4</sub>	IS 3025 (Part 24): 1986 (RA 2009)	1 mg/l to 1000 mg/l
		Total Dissolved Solids	IS 3025 (Part 16): 1984 (RA 2012)	10 mg/l to 5000 mg/l
		Total Suspended Solids	IS 3025 (Part 17): 1984 (RA 2012)	10 mg/l to 5000 mg/l
		Total Iron as Fe	APHA (22 <sup>nd</sup> Edition) 3500 Fe-B: 2012	0.05 mg/l to 100 mg/l
		Biochemical Oxygen Demand at 27°C for 3 days	IS 3025 (Part 44): 1993 (RA 2009)	5 mg/l to 5000 mg/l
		Oil & Grease	IS 3025 (Part 39): 1991 (RA 2009)	1 mg/l to 100 mg/l
	Free Residual Chlorine	IS 3025 (Part 26): 1986 (RA 2009)	1 mg/l to 50 mg/l	
	Boron as B	IS 3025 (Part 57): 2005 (RA 2010)	0.1 mg/l to 50 mg/l	

**Laboratory** Eco Lab, Delhi-Jaipur Highway IMT Manesar, Gurgaon, Haryana  
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**Discipline** Chemical Testing **Issue Date** 24.04.2015  
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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
	Waste Water	Nitrate as NO <sub>3</sub>	IS 3025 (Part 34): 1988 (RA 2009)	1 mg/l to 100 mg/l
		Temperature	IS 3025 (Part 9): 1984 (RA 2002)	Ambient- 50°C
<b>II. AIR, GASES &amp; ATMOSPHERE</b>				
1.	Ambient Air Monitoring	Particulate Matter (PM <sub>10</sub> )	IS 5182 (Part 23): 2006 (RA 2012)	10 µg/m <sup>3</sup> to 1000 µg/m <sup>3</sup>
		Sulphur dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001 (RA 2012)	5 µg/m <sup>3</sup> to 1000 µg/m <sup>3</sup>
		Nitrogen dioxide (NO <sub>2</sub> )	IS 5182 (Part 6): 2006 (RA 2012)	5 µg/m <sup>3</sup> to 1000 µg/m <sup>3</sup>

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