

Laboratory Standard Analytical Laboratory (ND) Pvt. Ltd., 69, Functional Industrial Estate, Patparganj, Delhi

Accreditation Standard ISO/IEC 17025: 2005

Discipline Electrical Testing **Issue Date** 31.01.2014

Certificate Number T-2122 **Valid Until** 30.01.2016

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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
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I. INSULATION MATERIALS & INSULATORS

1.	Transformer oil (New & Used)	Electric Strength	IS 6792	1 kV to 100 kV
		Water Content	IS 13567	0.01mg to 10mg
		Dielectric Dissipation Factor	IS 6262	0.000001 to 9.99
		Resistivity	IS 6103	1x10 ⁹ , 1x10 ¹⁵
		Neutralization value	IS 1448 (Part-2)	0 to 5 mgKOH/gm of oil
		Interfacial tension	IS 6104	0 to 0.09 N/m
		Flash point	IS 1448 (Part-21)	90°C to 270°C
		Sediments & Sludge	IS 1866	-
		DGA	IS 9434 & IS 10593	1 ppm onwards
		Density	IS 1448 (Part-16)	0.8 g/cc to 0.9 g/cc
		Presence of oxidation Inhibitor	IS 13631 Method-A	0.01% onwards
		Furan Analysis	IEC-1198-1993	50 ppb onwards

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