

Laboratory	Uttam Galva Steels Limited-CPP, Khopoli Pen Road, At Donavat, Taluka: Khalapur, Dist: Raigad, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	03.02.2015
Certificate Number	T-3279	Valid Until	02.02.2017
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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
I. WATER				
1.	Water	pH	IS 3025 (Part 11): 1983 (RA 2002)	1.0 to 14.0
		Conductivity at 25° C	IS 3025: 1964	0.1 μ S/cm to 4000 μ S/cm
		Total Hardness as CaCO ₃	IS 3025 (Part 21): 1983	1.0 mg/L to 1500 mg/L
		Phosphate as PO ₄	22nd edition 2014-APHA 4500 PC	0.1 mg/L 20 mg/L
		Silica as SiO ₂	22nd edition – 2014 APHA 4500 PC	0.011mg/L to 10.7 mg/L
		Chloride	IS 3025 (Part 32): 1988	2.0 to 1500 mg/L
		Iron as Fe	IS 3025 (Part 53): 2003	0.005 mg/L to 5.0 mg/L
II. COAL, COKE & OTHER SOLID FUEL				
1.	Coal	Total Moisture (%) as Received Basis	ASTM D-3302 / D3302M Rev. 12	2.0% to 45%
		Moisture in sample (%) as Air Dried Basis	ASTM D 3173 – 11	2.0 % to 15%
		Volatile Matter (%) as Air Dried Basis	ASTM D3175 – 131	20% to 60%
		Ash (%) as Air Dried Basis	ASTM D3174 – 12	3% to 60%
		Gross Calorific Value KCal/kg as Air Dried Basis	ASTM D-5865 – 12	2000 kcal/kg to 6000 kcal/kg

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	Coal	Fixed Carton (%) as Air Dried Basis	ASTM -3172-07	15% to 60 %

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