

Laboratory **Chaithanya Geo Chem, R-4, Industrial Estate Area, T.B. Dam Road, Hospet, Karnataka**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **TC-6460**

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Validity **08.05.2018 to 13.10.2019**

Last Amended on --

Sl.	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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CHEMICAL TESTING

I.	ORES & MINERALS			
1.	Iron ore	Fe – Iron	IS 1493 (Part I):1981	0.5 % to 70.0 %
		SiO ₂ - Silica	Reaffirmed (2016)	0.5 % to 50 %
		Al ₂ O ₃ - Alumina		0.5 % to 20 %
		P-Phosphorous		0.005 % to 2 %
		Loss on Ignition	ISO:11536	0.25 % to 15%
		Ferrous Oxide	IS 1493 (Part I):1981	0.1 % to 40%
			Reaffirmed (2016)	
2.	Manganese Ore	Mn-Manganese	IS 1473-2004	1 % to 63%
		Fe-Iron	Reaffirmed(2016)	0.5 % to 40.0%
		SiO ₂ -Silica		0.5 % to 25%
3.	Limestone & Dolomite	CaO-Calcium Oxide	IS1760 (Part-3) :1992	0.5 % to 56%
		MgO-Magnesium Oxide	Reaffirmed(2006)	0.5 % to 40%
		SiO ₂ - Silica	IS1760 (Part-6) :2001	0.5 % to 25%
			Reaffirmed(2006)	
		LOI- Loss on Ignition	IS1760 (Part-1) 1991	0.1 % to 50%
			Reaffirmed(2006)	
4.	Quartz	SiO ₂ - Silica	IS 1917(Part-3) -1992	0.5 % to 100%
			Reaffirmed(2005)	
II.	SOLID FUELS			
1.	Coal	FC-Fixed Carbon	IS1350 (Part I): 1984	5 % to 75 %
		VM-Volatile Matter	Reaffirmed(2013)	0.5 % to 50 %
		Ash		5 % to 80 %
		Moisture		0.1 % to 30 %
2.	Coke	FC-Fixed Carbon		15 % to 95 %
		VM-Volatile Matter		0.5 % to 20 %
		Ash		5 % to 50 %
		Moisture		0.1 % to 20 %