

**Laboratory**                      **Twenty First Testing and Services Private Limited, H. No. 878,  
Ayudhay 3<sup>rd</sup> Floor, 12<sup>th</sup> Ward, Kalyannagar, Chitwadgi, Hospet,  
Karnataka**

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

**Certificate Number**        **TC-5620 (in lieu of T-3353)**

**Page 1 of 1**

**Validity**                        **31.03.2017 to 30.03.2019**

**Last Amended on 08.05.2017**

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	Iron	IS – 1493	25% to 70%
		Silica	IS – 1493	0.5% to 15%
		Alumina	IS – 1493	0.5% to 10%
		Manganese	IS – 1493	0.1% to 2%
		Phosphorus	IS – 1493	0.02% to 0.1%
		Sulphur	IS – 1493	0.003% to 0.02%
		Moisture	IS – 1493	0.1% to 20%
2.	Coal & Coke	Loss on Ignition,	ISO-11536	0.5% to 15%
		Ash	IS – 1350 (part1)	0.5% to 50%
		Voltaile Matter	IS – 1350 (part1)	0.5% to 40%
		Phosphorous	IS – 1350 (part1)	0.1% to 1%
		Sulphur	IS – 1350 (part1)	0.01% to 1%
		Moisture	IS – 1350 (part1)	0.1% to 25%

**Ramprasath.R**  
Convenor

**N. Venkateswaran**  
Program Director