

Laboratory	Inspectorate Griffith India Pvt. Ltd., Dhanbad Laboratory, Opposite Dhansar Post Office, Dhansar, Dhanbad, Jharkhand		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	03.02.2014
Certificate Number	T-2145	Valid Until	02.02.2016
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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
			IS	ASTM D	ISO	TPM	
I. COAL, COKE & OTHER SOLID FUELS							
1.	Coal & Coke	Total Moisture	1350 (Part-1) 1984, RA 2007	D 3302-12, D 2961- 11	579- 2013, 589- 2008	-	0.1 to 40%
		Inherent Moisture, IM (Moisture in analysis sample)/ Air-dried Moisture/ Equilibrated Moisture	1350 (Part-1) 1984, RA 2007	D 3173-1, D 7582- 12	11722: 2013, 687- 2010	-	0.1 to 20%
		Volatile Matter	1350 (Part-1) 1984, RA 2007	D3175-11, D 7582- 12	562:20 10	-	0.1 to 50%
		Ash	1350 (Part-1) 1984, RA 2007	D 3174-12, D 7582- 12	1171:2 010	-	0.1 to 85%
		Gross Calorific Value	1350 (Part-2)- 1975 RA 2000	D 5865- 2013,	1928:2 009	-	100 to 8200k cal/kg
		Fixed Carbon	1350 (Part-1) 1984, RA 2007	D 3172- 07a , D 7582- 12	17246: 2010	-	-

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			IS	ASTM D	ISO	TPM	
	Coal & Coke	Phosphorous	1350 (Part-5) 1979, RA 2007			IGI/ DHB/ TPM13 Issue #01 dtd. 15.11.13	0.001 to 0.25%
		Total Sulphur	1350 (Part-3) 1969, RA 2005,	D 4239-13, D 5016- 08e1,	351: 1996 Co1: 1996, 19579: 2006: 334: 2013	-	0.1 to 5%
2.	Coal	Crucible Swelling Number/ FSI	1353-1993, RA 2000	D 720-91 RA 2010	501- 2012	-	0 to 9
		Fluidity	-	D2639- 08	-	-	0 to 20,000 DDPM
		Low Temperature Gray- King Index (LTGK)	1353:1993, RA 2000	-	-	-	A to G7
		Washability Characteristics	13810: 1993 RA 2000	D 4371-06- 2012	-	-	0.1% to 85% (1.10 to 2.40 Sp. Gr.)
		Froth Flotation	13810 : 1993 RA 2000	D 5114- 90 RA 2010	-	-	0.1 to 85%

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