

Laboratory Krishna Robotics Techna Pvt. Ltd., 2/91-1/1, Tiruchendur Road,  
Tuticorin, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7796

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Validity 30.08.2018 to 29.08.2020

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.	SOLID FUELS			
1.	Coal	Total Moisture	IS 1350 (Part 1):1984 (RA 2013)	0.5 % to 65 %
		Moisture (ADB)	IS 1350 (Part 1):1984 (RA 2013)	0.5 % to 25 %
		Volatile Matter	IS 1350 (Part 1):1984 (RA 2013)	1.0 % to 55 %
		Ash	IS 1350 (Part 1):1984 (RA 2013)	0.2 % to 50 %
		Fixed Carbon	IS 1350 (Part 1):1984 (RA 2013)	25 % to 90 %
		Gross Calorific Value	IS 1350 (Part 2):2017	1500 kcal/kg to 8500 kcal/kg
		Sulphur	IS 1350 (Part 3):1969 (RA 2010)	0.01 % to 5 %
2.	Coke	Total Moisture	IS 1350 (Part 1):1984 (RA 2013)	0.2 % to 10 %
		Moisture (ADB)	IS 1350 (Part 1):1984 (RA 2013)	0.2 % to 5 %
		Volatile Matter	IS 1350 (Part 1):1984 (RA 2013)	1.0 % to 15 %
		Ash	IS 1350 (Part 1):1984 (RA 2013)	0.1 % to 20 %
		Fixed Carbon	IS 1350 (Part 1):1984 (RA 2013)	25 % to 98 %
		Gross Calorific Value	IS 1350 (Part 2):2017	1500 kcal/kg to 8500 kcal/kg
		Sulphur	IS 1350 (Part 3):1969 (RA 2010)	0.01 % to 10 %

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<b>3.</b>	<b>Charcoal</b>	Total Moisture	IS 1350 (Part 1):1984 (RA 2013)	0.1 % to 50 %
		Moisture (ADB)	IS 1350 (Part 1):1984 (RA 2013)	0.1 % to 25 %
		Volatile Matter	IS 1350 (Part 1):1984 (RA 2013)	2.0 % to 40 %
		Ash	IS 1350 (Part 1):1984 (RA 2013)	1.0 % to 20 %
		Fixed Carbon	IS 1350 (Part 1):1984 (RA 2013)	25 % to 80 %
		Gross Calorific Value	IS 1350 (Part 2):2017	1000 kcal/kg to 8500 kcal/kg
		Sulphur	IS 1350 (Part 3):1969 (RA 2010)	0.01 % to 5 %
<b>4.</b>	<b>Briquettes</b>	Total Moisture	IS 1350 (Part 1):1984 (RA 2013)	0.1 % to 35 %
		Moisture (ADB)	IS 1350 (Part 1):1984 (RA 2013)	0.1 % to 25 %
		Volatile Matter	IS 1350 (Part 1):1984 (RA 2013)	0.5 % to 50 %
		Ash	IS 1350 (Part 1):1984 (RA 2013)	1.0 % to 25 % / 0.1%
		Fixed Carbon	IS 1350 (Part 1):1984 (RA 2013)	25 % to 95 %
		Gross Calorific Value	IS 1350 (Part 2):2017	500 kcal/kg to 8000 kcal/kg
		Sulphur	IS 1350 (Part 3):1969 (RA 2010)	0.01 % to 7 %