

Prüfbericht - Nr.: <i>Test Report No.:</i>	IND/BLR/CH/2020/0144	Seite 1 von 2 <i>Page 1 of 2</i>
Auftraggeber: <i>Client:</i>	HEG LIMITED. Graphite Division, Office & Plant-Mandideep(Near Bhopal) , District: Raisen - 462046, Madhya Pradesh, India	
Gegenstand der Prüfung: <i>Test item:</i>	Graphite Electrode Sample	
Bezeichnung: <i>Identification:</i>	Item Code/Indent Tag No.:WRCGRH04150002, CES000020	Serien-Nr.: <i>Serial No./ Document</i> Submitted: WO NO: 820/WRC004967 WO dated : 04.01.2020
Wareneingangs-Nr.: <i>Receipt No.:</i>	07012020	Eingangsdatum: <i>Date of receipt:</i> 07.01.2020
Order No.:	166219093	Testing Period: 10.01.2020 to 17.01.2020
Prüfört: <i>Testing location:</i>	TÜV Rheinland India Pvt Ltd, Plot No.27B, Electronic City Phase I Industrial Area, Hosur Road, Bangalore - 560 100, Karnataka, India.	
Prüfgrundlage: <i>Test specification:</i>	Customer's requirement : For specified parameter	
Prüfergebnis: <i>Test Result:</i>	Refer Page No.2 to 2	
Prüflaboratorium/ Testing Laboratory:		
zusammengestellt/ compiled by:		kontrolliert/ checked by:
17.01.2020	Vijetha CSE, Material Testing Laboratories, Industry Services	17.01.2020
		Rajesh Jain B Technical Head, Material Testing Laboratories, Industry Services
<u>Datum</u> <i>Date</i>	<u>Name</u> <i>Name</i>	<u>Unterschrift</u> <i>Signature</i>
<u>Datum</u> <i>Date</i>	<u>Name</u> <i>Name</i>	<u>Unterschrift</u> <i>Signature</i>
Sonstiges/ Other Aspects: NIL		
Abkürzungen: ok / P = entspricht Prüfgrundlage fail / F = entspricht nicht Prüfgrundlage n.a. / N = nicht anwendbar		
Abbreviations: ok / P = passed fail / F = failed n.a. / N = not applicable		
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products. Sampling not done by TUVRI. Test item submitted by Client Decision rule applied at 95% confidence level of measurement uncertainty with coverage factor k=2 while stating the conformity'</i>		

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TEST RESULTS

 Discipline: Chemical
 Product Group: Solid fuels

Sample Description	Graphite Electrode Sample
Sampling : 1. Submitted Sample drawn by the laboratory : No (If yes please provide the sampling reference)	

Test: Chemical Composition

Sl. No.	Parameter	Unit	Results	Test Method
1	Fixed Carbon Content	%	99.94	Guidelines of ASTM D 7582
2	Gross Calorific value	kcal/kg	6345	Guidelines of ASTM D5865
3	Sulphur Content	%	0.0460	Guidelines of ASTM C -816/ ICP OES
4	Ash Content	%	0.034	Guidelines of ASTM D 3174
5	Moisture Content	%	0.012	Guidelines of ASTM D3172 - 13
6	Volatile Matter	%	0.010	Guidelines of ASTM D3172 - 13
7	Total Carbon	%	99.97	ASTM C 562

Note:

1. The reported results are valid only for the items tested.
2. '%' denotes percent by weight
3. mg/kg denotes milligram per kilogram
4. Kcal/Kg Denotes Kilocalories per Kilogram

----- End of Report -----