

Prüfbericht - Nr.: <i>Test Report No.:</i>	IND/BLR/CH/2018/4712	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, CES000013,041-041-STC- C	Serien-Nr.: <i>Serial No./ Document Submitted:</i>	WO NO: 1685/WRC003397 WO dated : 21.06.2018		
Wareneingangs-Nr.: <i>Receipt No.:</i>	02072018	Eingangsdatum: <i>Date of receipt:</i>	02.07.2018		
Order No.:	1803331821	Testing Period:	06.07.2018 to 11.07.2018		
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:			
12.07.2018	Rajesh Jain B Technical Head, Material Testing Laboratories, Industry Services	12.07.2018	Chandrashekara Aithala B Sr. Manager - Material Testing Laboratories, Industry Services		
Datum <i>Date</i>	Name <i>Name</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name <i>Name</i>	Unterschrift <i>Signature</i>
Sonstiges/ Other Aspects: NIL					
Abkürzungen: <i>ok / P = entspricht Prüfgrundlage</i> <i>fail / F = entspricht nicht Prüfgrundlage</i> <i>n.a. / N = nicht anwendbar</i>			Abbreviations: <i>ok / P = passed</i> <i>fail / F = failed</i> <i>n.a. / N = not applicable</i>		
<p>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.</p> <p><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</i></p>					

Prüfbericht - Nr.:
 Test Report No.:

IND/BLR/CH/2018/4712

 Seite 2 von 2
 Page 2 of 2

TEST RESULTS

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

Chemical Composition:

Sl. No.	Parameter	Unit	Results	Test Method
1	Fixed Carbon Content	%	99.64	ASTM D 7582-2012,Guidelines
2	Gross Calorific value	Kcal/Kg	6072	ASTM D5865-2013,Guidelines
3	Sulphur Content	PPM	276	Guidelines ASTM C -816-85/ ICP OES
4	Ash Content	%	0.12	ASTM D 3174-2012 Guidelines
5	Moisture Content	%	0.08	ASTM D3172 - 13 Guidelines
6	Volatile Matter	%	0.16	ASTM D3172 - 13 Guidelines
7	Total Carbon	%	99.97	ASTM C 562-91

Note:

1. The reported results are valid only for the items tested.
2. '%' denotes percent by weight
3. PPM denotes parts per million
- 4.Kcal/Kg Denotes Kilocalories per Kilogram

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