



# Bhumi Research Center

## Civil Engineering Testing & Consultancy Service

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Ref. No.

Test Report (Earth powder)

Date

Report No.: BRC-REP-MT-12-2019-S-ERT-172

Report Date: 23/12/19

Name of Client: M/s. K Square Energy(331, Sahjanand Business Park, Opps. Palm Hotel, SP Ring Road, Odhav, Ahmedabad-382415

Sample Type: Chemical Earthing compound

Date of Receipt: 18/12/19

Condition of sample: Sealed Samples

Date of Test Start: 19/12/19

Date of Test Completed: 23/12/19

Sr. No.	Test	Results	Ref. Test Method/ Code:
1	Ele. Resistivity (Ohm-meter)	0.092	IEC:62561-7-2011, IS:3043-1987, RA-2001/ Wenner's Method
2	Volumetric Free Swell index (%)	358	IS 2720 : (Part-40)-1977, RA-2002
3	Swelling Volume (ml)	43.00	IS 2720 : (Part-40)-1977, RA-2003
4	p <sup>H</sup>	8.00	IS 2720 : (Part-26)-1987, RA-2002
5	Moisture Content (%)	13.24	IS 2720 : (Part-2)-1973, RA-2006
6	Water Holding Capacity (%)	295.00	-
7	Thermal Stability (-10°C to 60°C)	Stable	-
8	#Methylene Blue Index (meq/100g)	1.70	ASTM-C837-09
9	Bulk Density (kg/m <sup>3</sup> )	900	-

Remark: 1) This test has been done in Outsource Laboratory.

2) The test of resistivity done on the 28.0cm x16cm x10cm soil box sample size.



  
Authorised Signatory

H. M. Kikani  
Technical Manager

Note: 1): This test report and results relate to the particular sample / specimen of the material as delivered by the client and received & tested in the laboratory under certain environmental condition.

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-- End of Test Report --

Page 1 of 1