



GHAZIABAD TESTING LABORATORIES PVT. LTD.

(ISO/IEC 17025:2017)

Accredited to NABL

(A Constituent Board of Quality Council of India)



Certificate No. TC-11707

&

Recognized by BIS

(Ministry of Consumer Affairs, Food & Public Distribution)

(Government of India)



&

Certified by

(ISO:9001:2015 | ISO: 14001:2015 | ISO:45001:2018)



*This Report is acceptable amongst all member countries of APLAC & ILAC - Worldwide



GHAZIABAD TESTING LABORATORIES PVT. LTD.

TEST REPORT

Issued To,
M/s Techno Power
163A1/A3 2nd Phase G.I.D.C. ,
Vapi, Dist. Valsad - 396195

Report No. : 100-240902-19
Report Date : 10/09/2024
Sample Received On : 02/09/2024
Analysis Date : 03/09/2024 to 09/09/2024
Report Prepared On : 10/09/2024
Sampled By : Customer

Sample Description : Ground Enhancement Material, (10 Kg Approx) ECC Compound, Make- Techno Power
Condition of the sample on receipt : Received in good condition

Page 1 of 1

Parameters	Unit	Test Method	Result
<u>Chemical Analysis</u>			
Sulphur	% by mass	ISO:14869-1	1.10
<u>Leaching Test</u>			
Nickel	% by mass	IEC 62561-7	0.009
Iron	% by mass		0.78
Copper	% by mass		0.010
Zinc	% by mass		< 0.0010
Cobalt	% by mass		< 0.0010
Cadmium	% by mass		0.026
Lead	% by mass		0.12
Resistivity	Ohm-Meter	ICE 62561-7	0.096
pH Value	-	IS: 2720(P-26)	7.22


Auth. Signatory

+91-120-3116001, +91-120-3115683, +91-120-2866108

info@gtllab.org  www.gtllab.org

AO-150, Amrit Steel Compound South Side, G.T. Road Indl.
Area, Ghaziabad-201001 UP, India



Report No: 100-240902-19

Page 2 of 2

Parameters	Test Method	Results	Requirements as Per IEC 62561-7
Corrosion Resistance Test:			
(i) Corrosion rate of Copper Plated earth Electrode: $\mu\text{m/yr}$ (At non Aggressive Environments and Applied Voltage 25 m V)	IEC 62561-7/ASTM G59-97/ASTM G102-89		
Polarization Resistance: $\Omega\text{ m}^2$		5.8	4 Min.
(ii) Corrosion rate of Copper Plated Earth Electrode : $\mu\text{m/yr}$ (At Aggressive Environments and Applied Voltage 50 mV)			
Polarization Resistance: $\Omega\text{ m}^2$		9.65	8 Min.
(iii) Corrosion Rate of Galvanized Earth Electrode : $\mu\text{m/yr}$ (At non Aggressive Environments and Applied Voltage 20 m V)			
Polarization Resistance: $\Omega\text{ m}^2$		4.21	3 Min.
(iv) Corrosion Rate of Galvanized Earth Electrode: $\mu\text{m/yr}$ (At Aggressive Environments and Applied Voltage 50 mV)		-	-
Polarization Resistance: $\Omega\text{ m}^2$		8.34	7.6 Min.

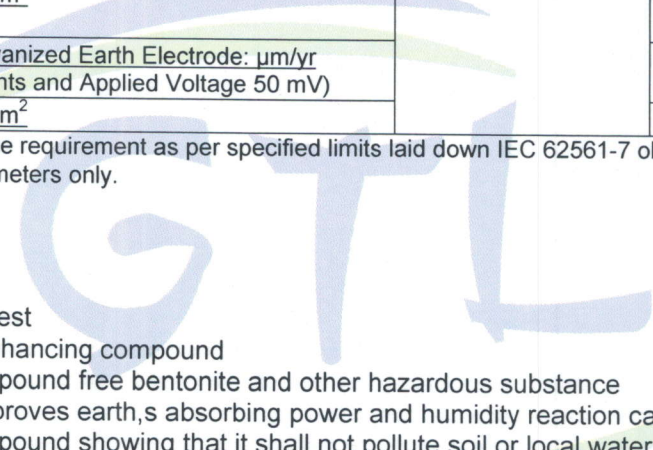
Remark: Sample meets the requirement as per specified limits laid down IEC 62561-7 observed for the above test parameters only.

1. Corrosion resistance test
2. Resistivity of earth enhancing compound
3. Earth enhancing compound free bentonite and other hazardous substance
4. High conductivity, improves earth's absorbing power and humidity reaction capability.
5. Earth enhancing compound showing that it shall not pollute soil or local water table it shall not be explosive and shall not Cause burns, irritation to eyes, skin etc.
6. Leaching test ensuring suitable for installation in dry form or slurry form.
7. Corrosion resistance test, safety datasheet of earth enhancing compound showing that it shall not pollute soil or Local water table. it shall not be explosive and shall not cause burns, irritation to eyes, skin etc.
8. Leaching test ensuring suitable for installation in dry form or slurry form.

*****End of Report*****

Note:

- ❖ This Test report conforms to above test parameters only submitted for testing.
- ❖ Decision Rule applied- Yes/No ✓ UM ±
- ❖ The sample description is not verified in all cases and is given as described by the customer.
- ❖ Samples not drawn by us and the analysis conducted as received basis unless specified otherwise.
- ❖ Tested sample will be disposed off after 30 days from the date of issue of test report unless until specified by customer.
- ❖ Complaints about this report should be communicated in writing within seven days of issue date of this report.
- ❖ This report is not to be reproduced wholly or in part and cannot be used as an evidence in the Court of law and shall not be used in the advertising media without our prior permission from the Director.
- ❖ Laboratory shall maintain the confidentiality of all information related to the samples & Test Reports.


 Ghaziabad Testing Laboratories Pvt. Ltd.
 Tech. Manager
 Auth. Signatory