



Test Certificate

Electrical Grade Magnesium Oxide

Customer: DIAMORE S.A

Batch Date: 17/07/2015 12:53

Material: 5A LST

Batch: 42049

Packing: CB25 40/Treated
1100*900

Customer Ref:

Passed: Pass

Sieve Analysis (ASTM)

Mesh	Microns	Spec	Result
40	425	0.00 - 0.10	0.00
45+60	250	23.0 - 39.0	35.0
80	180	NS	20.7
100	150	NS	10.8
140	106	NS	12.5
200	75	NS	9.7
325	45	0.0 - 14.0	7.8
-325	-45	7.0 maximum	3.5

Chemical analysis

	Spec	Result
SiO ₂	4.50 maximum	2.59
Al ₂ O ₃	1.00 maximum	0.62
CaO	1.70 maximum	1.08
Fe ₂ O ₃	0.22 maximum	0.13
ZrO ₂	3.00 maximum	0.01
MgO	90.00 minimum	95.46

Electrical Sinobit

Elongation	NS	11.4
Peak leakage	NS	1.52
Leakage at 6W/cm ²	0.40 maximum	0.09
Leakage at 8W/cm ²	0.60 maximum	0.35

Physical

Tap Density	2.37 minimum	2.38
Flow	190 maximum	163
Magnetic Iron	0.0050 maximum	0.0035
Static Flow	45.0 minimum	54.2

Tested By: Daniel Cudbertson

Approved By: Ian Benson