



**Giles Chemical, a division of Premier Magnesia, LLC.**  
**102 Commerce Street Waynesville, NC 28786**  
**Phone: 828-452-4784 Fax: 828-452-4786**  
**Tech Certificate of Analysis**

Release Date: 10/23/2017

CUSTOMER : \_\_\_\_\_

CUST. REF: \_\_\_\_\_ SHIP DATE: \_\_\_\_\_

PRODUCT: Activated Charcoal & Hawaiian  
Black Lava Salt TRAILER NUMBER: \_\_\_\_\_

SHELF LIFE: 3 Years BILL OF LADING #: \_\_\_\_\_

LOT NUMBER: **17328** PO NUMBER #: \_\_\_\_\_

CARRIER: \_\_\_\_\_ MANUFACTURED: \_\_\_\_\_

CUST. CONTACT: \_\_\_\_\_ EXPIRATION: \_\_\_\_\_

I certify that this material meets all the requirements of the Giles Chemical sales specifications. Periodic testing has shown the samples to be consistently free of volatile organic impurities. Giles Chemical magnesium sulfate is manufactured under the guidelines of Current Good Manufacturing Practices (cGMP).

**25% Salt TFC, 73% Epsom Salt, Magnesium Sulfate - Heptahydrate, Tech Grade**

**(Contains  $\leq$  1% Refresh 2 Fragrance and  $\leq$  1% Black Lava Salt)**

**Epsom Salt (2017)**

**Salt TFC (RI17220005)/RI17221002**

Parameters	Results	Parameters	Results
Appearance	Clear	Appearance	Clear Crystals
Limit of Chloride	< 140 ppm	Calcium&Magnesium (as Calcium)	483 ppm
Limit of Iron	< 20 ppm	Calcium Sulfate	0.147%
Selenium	< 30 ppm	Copper	0 ppm
Heavy Metals (as Pb)	< 10 ppm	Iron - Free	0.1 ppm
pH (5% Solution)	6..89	Arsenic	< 1.0 ppm
Loss on Ignition	50.89%	Heavy Metals (as Pb)	< 2.0 ppm
Assay, % MgSO4 (Dry Basis)	99.42%	Sodium Chloride	99.82
ID, Magnesium & Sulfate	Present	Bulk Density	79.0 lb/ft3

CONTACT:

ANALYST:

Quality Assurance Laboratory

SIGNATURE ON FILE

Paul Rice - Chemist

