



Lab Number:17- 2821

## Certificate of Analysis

Customer: Giles  
Date Sampled: December 19, 2017  
Product: Magox 93HRC  
Car Number: GPFX10809

Bin or Silo: E,F,G,Ws  
Mesh: 200

Chemical			Particle Size	
The following chemical results are reported on an ignited basis.			Screen mesh sizes are reported in U.S.A. series sizes.	
<u>TEST</u>	<u>Result</u>		<u>Mesh</u>	<u>Percent</u>
Loss	<u>2.20</u>	%	<u>100</u>	<u>2.8</u>
Insol.	<u>2.19</u>	%	<u>200</u>	<u>23.0</u>
R2O3	<u>0.99</u>	%	<u>-200</u>	<u>74.2</u>
CaO	<u>3.44</u>	%		
MgO	<u>93.38</u>	%		
Mg		%		
P2O5		%		
The following chemical results are reported on an "as is" basis.				
Sulfur		%		
Reactivity(Giles)	<u>25.6</u>	10 minute rise in degrees Celcius		
Railcar Seal Numbers:	<u>590-598</u>			
Tapped bulk density	<u>65.9</u>	lbs/cu ft		

Analyzed By: Jon Seeger

Signature: \_\_\_\_\_

Chad Blumhagen / Chief Chemist

Date: December 19, 2017