



Lab Number: 17- 2902

Certificate of Analysis

Customer: Giles Chemical
Date Sampled: December 29, 2017
Product: Magox 93HRC
Car Number: NAHX 553268

Bin or Silo: 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>2.15</u>	%	<u>100</u>	<u>4.8</u>
Insol.	<u>2.24</u>	%	<u>200</u>	<u>27.2</u>
R2O3	<u>1.04</u>	%	<u>-200</u>	<u>68.0</u>
CaO	<u>3.22</u>	%		
MgO	<u>93.50</u>	%		
Mg		%		
P2O5		%		
The following chemical results are reported on an "as is" basis.				
Sulfur		%		
Reactivity(Giles)	<u>23.2</u>	10 minute rise in degrees Celcius		
Railcar Seal Numbers:	<u>742-750</u>			
Tapped bulk density	<u>64.1</u>	lbs/cu ft		

Analyzed By: Steve Wanko

Signature: _____

Chad Blumhagen / Chief Chemist

Date: December 30, 2017

WESTERN OPERATIONS

STATE ROUTE 361 ♦ P.O. BOX 177 ♦ GABBS, NV 89409 ♦ 775.285.2601 ♦ FAX 775.285.4021