

## Application

This material is used as a source of lead in glass, electronic ceramics and polymer stabilizers. Grade 500Y Litharge is spheroidized for improved flow characteristics and reduced fugitive dusting.

## Physical Properties

Color.....Tan  
 Form.....Hard granules  
 Specific Gravity.....9.5  
 Molecular Weight.....223.21  
 Refractive Index.....2.67  
 Melting Point.....1630° F. (888°C.)  
 Oil (dust suppressant).....0.04% (nominal)

## Chemical Composition

PbO (litharge)	99.85% minimum
Pb (free lead)	0.10% maximum
Pb <sub>3</sub> O <sub>4</sub> (red lead)	5% maximum

### Nominal Cumulative Screen analysis (U.S. Standard Sieve)

0% greater than 7 mesh  
 35% maximum greater than 16 mesh  
 48% minimum greater than 40 mesh  
 80% minimum greater than 70 mesh  
 90% minimum greater than 100 mesh  
 98% minimum greater than 325 mesh

## Trace Elements

Element	Maximum (%)	Typical (%)
Fe <sub>2</sub> O <sub>3</sub>	0.0050	0.0005
ZnO	0.0010	0.0004
Cu <sub>2</sub> O	0.0012	0.0004
Ag	0.0015	0.0008
Bi <sub>2</sub> O <sub>3</sub>	0.0300	0.0025
As <sub>2</sub> O <sub>5</sub> , Sb <sub>2</sub> O <sub>3</sub> , SnO <sub>2</sub>	0.0019	<0.0010
Ni, Te, Th, Cd	0.0008	<0.0005
Co, Cr, Mn, Se	0.0002	<0.0001

Packaging
Sling bags (<2,000 lbs. / 907.19 kg)
Bulk Truck
Bulk hopper car

## Note:

This data sheet illustrates typical values for this product. If specific characteristics are required that are different from these values, please contact your area sales representative.



1414 Field St. Hammond, IN 46320  
 T+ (219) 931-9360 F+(219) 931-2140  
 Email: [info@hammondlead.com](mailto:info@hammondlead.com)