



## PRODUCT BULLETIN

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# ASSAY GRADE LITHARGE (Pb O)

## Application

This material is used for fire assaying processes for the quantitative determination of precious metals in an ore. It is the purest form of litharge, particularly low in silver and gold, and is milled to a fine and uniform particle size for enhanced reactivity and consistency of reaction.

## Physical Properties

Color.....Yellow  
Form.....fine powder  
Specific Gravity..... 9.5 g/cc  
Apparent Density.....26 - 36 g/cu.in.  
Molecular Weight.....223.21  
Refractive Index.....2.67  
Melting Point.....1630°F. (888°C.)  
Screen Analysis.....0.05% > 325 mesh  
99.5% < 325 mesh  
(U.S. Standard Sieve)

### Trace Elements Maximum (%)

Fe <sub>2</sub> O <sub>3</sub>	0.0003
ZnO	0.0010
Cu <sub>2</sub> O	0.0005
Ag	0.0004
Bi <sub>2</sub> O <sub>3</sub>	0.0003
As <sub>2</sub> O <sub>5</sub> , Sb <sub>2</sub> O <sub>3</sub> , SnO <sub>2</sub>	0.0005
Ni, Te Th, Cd	0.0004
Co, Cr, Mn, Se	0.0001

Packaging  
100 lb.  
5 Gallon Plastic Bucket

### Element Range

PbO (litharge) 99.88% minimum  
Pb (free lead) 0.10% maximum  
Pb<sub>3</sub>O<sub>4</sub> (red lead) 0.02% maximum

## Chemical Composition Note:

This data sheet illustrates typical values for this product.

Assay grade litharge is normally in stock at our warehouse located in Wilmington, CA.