

Application

This material is used as a source of lead in glass, polymer stabilizers, pigments and plating chemicals where the highest purity and lowest red lead content are required. It is milled to a fine, narrow particle size range for enhanced reactivity and the greatest degree of consistency in solid state reactions.

Physical Properties

Color.....Yellow
 Form.....Powder
 Specific Gravity..... 9.5 g/cc
 Apparent Density.....26 - 33 g/cu.in.
 Molecular Weight.....223.21
 Melting Point.....1630°F. (888°C.)
 Screen Analysis.....99.9% < 325 mesh
 (U.S. Standard Sieve)

Chemical Composition

Element	Range
PbO (litharge)	99.88% minimum
Pb (free lead)	0.10% maximum
Pb ₃ O ₄ (red lead)	0.02% maximum

Trace Elements

Trace Elements	Maximum (%)	Typical (%)
Fe ₂ O ₃	0.0010	0.0005
ZnO	0.0008	0.0004
Cu ₂ O	0.0005	0.0003
Ag	0.0015	0.0006
Bi ₂ O ₃	0.0050	< 0.0010
As ₂ O ₅ , Sb ₂ O ₃ , SnO ₂	0.0009	< 0.0005
Ni, Te Th, Cd	0.0006	< 0.0004
Co, Cr, Mn, Se	0.0002	< 0.0001

Packaging
50 lb. / 22.68 kg Polyethylene bags
28-gallon steel drums (700 lbs. / 317.51 kg)
Special packaging may be available upon request

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.



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