

## Certificate of Analysis

Product Name:

Lead(II) oxide - ACS reagent, ≥99.0%

**Product Number:** 402982  
**Batch Number:** MKCR1371  
**Brand:** SIGALD  
**CAS Number:** 1317-36-8  
**MDL Number:** MFCD00011164  
**Formula:** OPb  
**Formula Weight:** 223.20 g/mol  
**Quality Release Date:** 16 MAR 2022

# PbO

Test	Specification	Result
Appearance (Color)	Faint Yellow to Dark Yellow and Faint Orange to Dark Orange	Dark Orange
Appearance (Form)	Powder or Crystals or Powder with Chunk(s) or Crystals with Chunk(s)	Powder with Chunk(s)
X-Ray Diffraction	Conforms to Structure	Conforms
Complexometric EDTA % PbO	≥ 99.0 %	99.1 %
Iron (Fe)	≤ 0.002 %	< 0.001 %
Copper (Cu)	≤ 0.005 %	< 0.001 %
Insoluble Matter	≤ 0.02 %	< 0.02 %
Silver (Ag)	≤ 5 ppm	< 1 ppm
Chloride Content	≤ 0.002 %	< 0.002 %
Nitrate (NO <sub>3</sub> )	≤ 0.01 %	< 0.01 %
Sodium (Na)	≤ 0.02 %	< 0.01 %
Potassium (K)	≤ 0.005 %	< 0.002 %
Calcium (Ca)	≤ 0.005 %	< 0.001 %
Meets ACS Requirements	Current ACS Specification	Conforms



Larry Coers, Director

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



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Quality Control  
Milwaukee, WI US

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