

## Certificate of Analysis

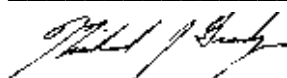
Product Name:

Potassium permanganate – ACS reagent, ≥99.0%

**Product Number:** 223468  
**Batch Number:** MKCP5256  
**Brand:** SIGALD  
**CAS Number:** 7722-64-7  
**MDL Number:** MFCD00011364  
**Formula:** KMnO<sub>4</sub>  
**Formula Weight:** 158.03 g/mol  
**Quality Release Date:** 26 MAY 2021



Test	Specification	Result
Appearance (Color)	Conforms to Requirements	Black
Dark Green, Brown-Black, Purple or Black		
Appearance (Form)	Conforms to Requirements	Crystalline Powder
Crystals, Granules or Powder		
ICP Major Analysis	Conforms	Conforms
Confirms Potassium and Manganese Components		
Titration by KMnO <sub>4</sub>	≥ 99.0 %	99.4 %
Insoluble Matter	≤ 0.2 %	< 0.2 %
Assay	≤ 0.005 %	< 0.005 %
Chloride & Chlorate (as Cl)		
Sulfate (SO <sub>4</sub> )	≤ 0.02 %	< 0.02 %
Meets ACS Requirements	Conforms	Conforms



Michael Grady, Manager  
Quality Control  
Milwaukee, WI US

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.

