

Certificate of Analysis

Product Name:

Potassium permanganate - ACS reagent, ≥99.0%

Product Number: 223468
Batch Number: MKCX2971
Brand: SIGALD
CAS Number: 7722-64-7
MDL Number: MFCD00011364
Formula: KMnO₄
Formula Weight: 158.03 g/mol
Quality Release Date: 02 APR 2025



Test	Specification	Result
Appearance (Color)	Conforms to Requirements	Purple
Dark Green, Brown-Black, Purple or Black		
Appearance (Form)	Conforms to Requirements	Crystals
Crystals, Granules or Powder		
ICP Major Analysis	Conforms	Conforms
Confirms Potassium and Manganese Components		
Titration by KMnO ₄	≥ 99.0 %	99.9 %
Insoluble Matter	≤ 0.2 %	0.1 %
Assay	≤ 0.005 %	< 0.005 %
Chloride & Chlorate (as Cl)		
Sulfate (SO ₄)	≤ 0.02 %	< 0.02 %
Meets ACS Requirements	Conforms	Conforms



Larry Coers, Director
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. 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.

