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Certificate of Analysis

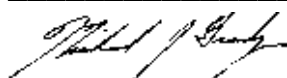
Product Name:

Potassium permanganate - ACS reagent, ≥99.0%

Product Number: 223468
Batch Number: MKCF9222
Brand: SIGALD
CAS Number: 7722-64-7
MDL Number: MFCD00011364
Formula: KMnO₄
Formula Weight: 158.03 g/mol
Quality Release Date: 02 MAR 2018

KMnO₄

Test	Specification	Result
Appearance (Color) Dark Green, Brown-Black, Purple or Black	Conforms to Requirements	Dark Purple
Appearance (Form) Crystals, Granules or Powder	Conforms to Requirements	Crystals
ICP Major Analysis Confirms Potassium and Manganese Components	Conforms	Conforms
Titration by KMNO ₄	≥ 99.0 %	99.2 %
Insoluble Matter	≤ 0.2 %	0.0 %
Assay Chloride & Chlorate (as Cl)	≤ 0.005 %	0.005 %
Sulfate (SO ₄)	≤ 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. 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.