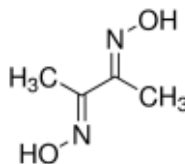


Certificate of Analysis

Product Name:

Dimethylglyoxime - ACS reagent, ≥99%

Product Number: 162574
Batch Number: MKCX5612
Brand: SIAL
CAS Number: 95-45-4
MDL Number: MFCD00002117
Formula: C₄H₈N₂O₂
Formula Weight: 116.12 g/mol
Quality Release Date: 31 MAR 2025



Test	Specification	Result
Appearance (Color)	White to Off-White	White
Appearance (Form)	Powder	Powder
Melting Point		239 °C
Approximate		
Infrared Spectrum	Conforms to Structure	Conforms
Carbon	40.9 - 41.8 %	41.1 %
Nitrogen	23.8 - 24.4 %	24.2 %
Residue on ignition (Ash)	≤ 0.05 %	0.05 %
Insoluble Matter	≤ 0.05 %	0.01 %
Suitability	Pass	Pass
Suitability For Nickel Determination		
Meets ACS Requirements	Current ACS Specification	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.

