

Certificate of Analysis

Product Name:

Manganese(II) carbonate - ≥99.9% trace metals basis



Product Number: 377449
Batch Number: MKCW1736
Brand: ALDRICH
CAS Number: 598-62-9
MDL Number: MFCD00011116
Formula: CMnO3
Formula Weight: 114.95 g/mol
Quality Release Date: 25 JUN 2024

Test	Specification	Result
Appearance (Color)	Faint Beige to Beige to Brown	Light Brown
Appearance (Form)	Powder	Powder
X-Ray Diffraction	Conforms to Structure	Conforms
Complexometric EDTA % Manganese	46.1 - 49.5 %	46.1 %
Purity > = 99.9% Based on Trace Metals Analysis	Meets Requirements	Meets Requirements
Trace Metal Analysis	≤ 1000.0 ppm	805.5 ppm
Aluminum (Al)		197.6 ppm
Barium (Ba)		10.3 ppm
Calcium (Ca)		398.7 ppm
Cadmium (Cd)		0.4 ppm
Cobalt (Co)		34.8 ppm
Chromium (Cr)		12.7 ppm
Iron (Fe)		68.2 ppm
Iridium (Ir)		5.6 ppm
Magnesium (Mg)		9.7 ppm
Nickel (Ni)		13.2 ppm
Lead (Pb)		22.7 ppm
Palladium (Pd)		5.1 ppm
Platinum (Pt)		8.8 ppm
Antimony (Sb)		8.4 ppm
Strontium (Sr)		3.5 ppm
Titanium (Ti)		1.0 ppm

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.



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Test	Specification	Result
Vanadium (V)		1.2 ppm
Zinc (Zn)		3.7 ppm



Larry Coers, Director
Quality Control
Milwaukee, WI US

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