

Certificate of Analysis

Product Name:

Magnesium - chips, 6-35 mesh, 99.98% trace metals basis

Product Number: 254118
Batch Number: MKCT8994
Brand: ALDRICH
CAS Number: 7439-95-4
MDL Number: MFCD00085308
Formula: Mg
Formula Weight: 24.31 g/mol
Quality Release Date: 02 AUG 2023

Mg

Test	Specification	Result
Appearance (Color)	Conforms to Requirements	Silver
Metallic Silver		
Appearance (Form)	Conforms	Conforms
Shavings		
Particle Size	Confirmed	Confirmed
(6 - 35 Mesh)		
ICP Major Analysis	Confirmed	Conforms
Confirms Magnesium Component		
Purity	Meets Requirements	Meets Requirements
99.98% Purity Based On Trace Metals Analysis		
Trace Metal Analysis	≤ 300.0 ppm	138.0 ppm
Aluminum (Al)		13.9 ppm
Arsenic (As)		3.9 ppm
Calcium (Ca)		3.6 ppm
Chromium (Cr)		1.3 ppm
Iron (Fe)		10.5 ppm
Iridium (Ir)		8.0 ppm
Manganese (Mn)		25.1 ppm
Sodium (Na)		13.7 ppm
Nickel (Ni)		3.8 ppm
Lead (Pb)		2.9 ppm
Platinum (Pt)		7.0 ppm
Tin (Sn)		25.9 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.



Certificate of Analysis

Product Number: 254118
Batch Number: MKCT8994

Test	Specification	Result
Zinc (Zn)		18.6 ppm



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.

