

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-01-20 16:03:14

Date of Next Testing: 2029-01-19 16:03:14

Product Name: **Magnesium oxide**

CAS Number: 1309-48-4

Specifications & Purity: AR, ≥98%

Lot #: A2514549

SKU #: **M103940**

Version: **0**

Analysis #: **454242**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-0.003 (%)	0.00000 %
(PO4)Phosphate	0-0.003 (%)	0.00125 %
Sodium(Na)	0-0.05 (%)	0.00152 %
Barium and strontium(as Ba)	0-0.005 (%)	0.00115 %
Iron(Fe)	0-0.005 (%)	0.00020 %
Chloride (Cl-)	0-0.01 (%)	0.00268 %
Copper(Cu)	0-0.001 (%)	0.00024 %
Potassium(K)	0-0.005 (%)	0.00128 %
carbonate (CO2)	0-1.5 (%)	0.03520 %
loss on Ignition	0-2 (%)	1.74000 %
Calcium(Ca)	0-0.02 (%)	0.00010 %
Insoluble matter in hydrochloric	0-0.01 (%)	0.00000 %
Zinc(Zn)	0-0.005 (%)	0.00010 %
Total Nitrogen	0-0.001 (%)	0.00025 %
(As)Arsenic	0-0.0001 (%)	0.00000 %
Sulfate(SO42-)	0-0.02 (%)	0.00223 %
Insoluble matter in HCl	0-0.01 (%)	0.00000 %
Assay(MgO)	98-100 (%)	99.45000 %
Appearance (M103940)	White powder	White powder
Clarity of solution	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager