

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2026-05-11 14:54:26
Date of Next Testing:	2030-05-10 14:54:26
Product Name:	Magnesium oxide
CAS Number:	1309-48-4
Specifications & Purity:	AR, ≥98%
Lot #:	D2622380
SKU #	M103940
Version	0
Analysis #:	687969
Storage Temperature:	Room temperature

Parameter	Limit Values	Result
(PO4)Phosphate	0-0.003 (%)	0.00150 %
Sodium(Na)	0-0.05 (%)	0.02000 %
Barium and strontium(as Ba)	0-0.005 (%)	0.00030 %
Iron(Fe)	0-0.005 (%)	0.00240 %
Chloride (Cl-)	0-0.01 (%)	0.00600 %
Copper(Cu)	0-0.001 (%)	0.00070 %
Potassium(K)	0-0.005 (%)	0.00200 %
carbonate (CO2)	0-1.5 (%)	1.05000 %
loss on Ignition	0-2 (%)	0.24000 %
Calcium(Ca)	0-0.02 (%)	0.00600 %
Insoluble matter in hydrochloric	0-0.01 (%)	0.00000 %
Zinc(Zn)	0-0.005 (%)	0.00060 %
Total Nitrogen	0-0.001 (%)	0.00070 %
(As)Arsenic	0-0.0001 (%)	0.00006 %
Sulfate(SO42-)	0-0.02 (%)	0.00500 %
Insoluble matter in HCl	0-0.01 (%)	0.00000 %
Heavy metal (as Pb)	0-0.003 (%)	0.00300 %
Assay(MgO)	98-100 (%)	99.20000 %
Appearance (M103940)	White powder	White powder
Clarity of solution	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager