

## Certificate of Analysis

Date of Testing:	2025-02-18 14:30:39
Date of Next Testing:	2029-02-17 14:30:39
Product Name:	<b>Magnesium oxide</b>
CAS Number:	1309-48-4
Specifications & Purity:	AR, ≥98%
Lot #:	B2511428
SKU #	<b>M103940</b>
Version	<b>0</b>
Analysis #:	<b>460761</b>

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-0.003 (%)	0.00 %
(PO <sub>4</sub> )Phosphate	0-0.003 (%)	0.00 %
Sodium(Na)	0-0.05 (%)	0.04 %
Barium and strontium(as Ba)	0-0.005 (%)	0.00 %
Iron(Fe)	0-0.005 (%)	0.00 %
Chloride (Cl <sup>-</sup> )	0-0.01 (%)	0.01 %
Copper(Cu)	0-0.001 (%)	0.00 %
Potassium(K)	0-0.005 (%)	0.00 %
carbonate (CO <sub>2</sub> )	0-1.5 (%)	1.01 %
loss on Ignition	0-2 (%)	0.86 %
Calcium(Ca)	0-0.02 (%)	0.01 %
Insoluble matter in hydrochloric	0-0.01 (%)	0.00 %
Zinc(Zn)	0-0.005 (%)	0.00 %
Total Nitrogen	0-0.001 (%)	0.00 %
(As)Arsenic	0-0.0001 (%)	0.00 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.02 (%)	0.00 %
Insoluble matter in HCl	0-0.01 (%)	0.00 %
Assay(MgO)	98-100 (%)	98.52 %
Appearance (M103940)	White powder	White powder
Clarity of solution	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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ALADDIN SCIENTIFIC CORPORATION

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

John Su  
QA & QC Manager