

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2024-09-24 13:45:08
Date of Next Testing:	2028-09-23 13:45:08
Product Name:	<b>Magnesium oxide</b>
CAS Number:	1309-48-4
Specifications & Purity:	Analytical Reagent,98.0%
Lot #:	I2419561
SKU #	<b>M103940</b>
Version	<b>0</b>
Analysis #:	<b>405405</b>

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-0.003 (%)	0.00 %
(PO4)Phosphate	0-0.003 (%)	0.00 %
Sodium(Na)	0-0.05 (%)	0.00 %
Barium and strontium(as Ba)	0-0.005 (%)	0.00 %
Iron(Fe)	0-0.005 (%)	0.00 %
Chloride (Cl-)	0-0.01 (%)	0.00 %
Copper(Cu)	0-0.001 (%)	0.00 %
Potassium(K)	0-0.005 (%)	0.00 %
carbonate (CO2)	0-1.5 (%)	0.06 %
loss on Ignition	0-2 (%)	0.14 %
Calcium(Ca)	0-0.02 (%)	0.02 %
Zinc(Zn)	0-0.005 (%)	0.00 %
Total Nitrogen	0-0.001 (%)	0.00 %
(As)Arsenic	0-0.0001 (%)	0.00 %
Sulfate(SO42-)	0-0.02 (%)	0.01 %
Insoluble matter in hydrochloric Assay(MgO)	0-0.01 (%)	0.00 %
Insoluble matter in HCl	98-100 (%)	99.50 %
Appearance (M103940)	0-0.01 (%)	0.00 %
Clarity of solution	White powder	White powder
X-Ray Diffraction	pass	Pass
	Conforms to Structure	Conforms to Structure



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

John Su  
QA & QC Manager