

## Certificate of Analysis

Date of Testing: 2024-07-26 09:21:22  
Date of Next Testing: 2028-07-25 09:21:22  
Product Name: **Magnesium oxide**  
CAS Number: 1309-48-4  
Specifications & Purity: Analytical Reagent,98.0%  
Lot #: G2415417  
SKU #: **M103940**  
Version: **0**  
Analysis #: **377549**

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 (%)	0.01 %
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 (%)	0.53 %
Calcium(Ca)	0-0.02 (%)	0.02 %
Insoluble matter in hydrochloric	0-0.01 (%)	0.00 %
Zinc(Zn)	0-0.005 (%)	0.00 %
Total Nitrogen	0-0.001 (%)	0.00 %
Assay(MgO)	98-100 (%)	98.96 %
(As)Arsenic	0-0.0001 (%)	0.00 %
Sulfate(SO42-)	0-0.02 (%)	0.00 %
Insoluble matter in HCl	0-0.01 (%)	0.00 %
Appearance (M103940)	White powder	White powder
Clarity of solution	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager