

Certificate of Analysis

Date of Testing: 2023-06-20 14:51:58
 Date of Next Testing: 2027-06-19 14:51:58
 Product Name: **Magnesium oxide**
 CAS Number: 1309-48-4
 Specifications & Purity: Analytical Reagent,98.0%
 Lot #: F23061165
 SKU #: **M103940**
Analysis: 206475

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-0.003 (%)	0.00%
(PO ₄)Phosphate	0-0.003 (%)	0.00%
Sodium(Na)	0-0.05 (%)	0.02%
Barium and strontium(as Ba)	0-0.005 (%)	0.00%
Iron(Fe)	0-0.005 (%)	0.00%
Chloride (Cl ⁻)	0-0.01 (%)	0.01%
Copper(Cu)	0-0.001 (%)	0.00%
Potassium(K)	0-0.005 (%)	0.00%
carbonate (CO ₂)	0-1.5 (%)	1.08%
loss on Ignition	0-2 (%)	0.26%
Calcium(Ca)	0-0.02 (%)	0.01%
Insiluble 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 ₄ ²⁻)	0-0.02 (%)	0.02%
Insoluble matter in HCl	0-0.01 (%)	0.00%
Assay(MgO)	98-100 (%)	99.98%
Appearance (M103940)	White powder	White powder
Clarity of solution	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

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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