

Certificate of Analysis

Date of Testing: 2025-01-04 16:05:12

Date of Next Testing: 2029-01-03 16:05:12

Product Name: **Potassium hydroxide**

CAS Number: 1310-58-3

Specifications & Purity: AR, ≥85%

Lot #: L2424358

SKU #: **P112284**

Version: **4**

Analysis #: **456813**

Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Fluosilicate(SiO ₃)	0-0.02 (%)	0.02000 %
Chloride (Cl ⁻)	0-0.01 (%)	0.00080 %
(PO ₄)Phosphate	0-0.005 (%)	0.00000 %
Calcium(Ca)	0-0.005 (%)	0.00000 %
Aluminum(Al)	0-0.005 (%)	0.00000 %
Potassium Carbonate(K ₂ CO ₃)	0-1.5 (%)	0.46000 %
Assay	85-100 (%)	96.49000 %
Nickel(Ni)	0-0.0005 (%)	0.00000 %
Iron(Fe)	0-0.001 (%)	0.00000 %
Sulfate(SO ₄ ²⁻)	0-0.005 (%)	0.00000 %
Heavy metal (as Pb)	0-0.002 (%)	0.00000 %
Clarity test (#)	0-4	4.00000
Total Nitrogen	0-0.001 (%)	0.00100 %
Sodium(Na)	0-2 (%)	0.74000 %
Appearance (P112284)	White Powder ,Flakes, or Chips	White Powder ,Flakes, or Chips
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".

John Su
QA & QC Manager