

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-28 14:57:57
 Date of Next Testing: 2029-09-27 14:57:57
 Product Name: **Potassium bicarbonate**
 CAS Number: 298-14-6
 Specifications & Purity: $\geq 99.99\%$ metals basis, 99.7-100.5% dry basis
 Lot #: I2518383
 SKU #: **P110487**
 Version: **0**
 Analysis #: **553012**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Insoluble matter in H ₂ O	0-0.01 (%)	0.00000 %
Heavy metal (as Pb)	0-5 (ppm)	0.00000 ppm
Phosphate(PO ₄)	0-5 (ppm)	0.00000 ppm
Iron(Fe)	0-5 (ppm)	0.00000 ppm
Sodium(Na)	0-0.03 (%)	0.02390 %
Magnesium(Mg)	0-0.001 (%)	0.00000 %
Chloride Content	0-0.001 (%)	0.00000 %
Calcium(Ca)	0-0.002 (%)	0.00000 %
Ammonia (NH ₄)	0-5 (ppm)	5.00000 ppm
Trace Metal Analysis	0-100 (ppm)	98.00000 ppm
Sulfate(SO ₄ ²⁻)	0-0.003 (%)	0.00300 %
Purity(Based On Trace Metals Analysis)	99.99-100 (%)	99.99020 %
Purity(Titration by HCL)(dry basis)	99.7-100.5 (%)	99.72000 %
Appearance (P110487)	White Crystals, Powder or Granules	White Crystals, Powder or Granules
ICP:Confirms Potassium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



QualityAssurance@aladdinsci.com

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

John Su
QA & QC Manager