

Certificate of Analysis

Date of Testing: 2022-02-28 12:03:54
Date of Next Testing: 2026-02-27 12:03:54
Product Name: **Potassium bicarbonate**
CAS Number: 298-14-6
Specifications & Purity: $\geq 99.99\%$ metals basis, 99.7-100.5% dry basis
Lot #: B2226043
SKU #: **P110487**
Analysis: **070349**

Parameter	Limit Values	Result
Insoluble matter in H ₂ O	0-0.01 (%)	0.00 %
Phosphate(PO ₄)	0-5 (ppm)	0.23 ppm
Ammonia (NH ₄)	0-5 (ppm)	0.12 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Sodium(Na)	0-0.03 (%)	0.02 %
Sulfate(SO ₄ ²⁻)	0-0.003 (%)	0.00 %
Magnesium(Mg)	0-0.001 (%)	0.00 %
Chloride Content	0-0.001 (%)	0.00 %
Calcium(Ca)	0-0.002 (%)	0.00 %
Purity(Titration by HCL)(dry basis)	99.7-100.5 (%)	100.22 %
Heavy metal (as Pb)	0-5 (ppm)	4.96 ppm
Trace Metal Analysis	0-100 (ppm)	99.00 ppm
Purity(Based On Trace Metals Analysis)	99.99-100 (%)	99.99 %
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



ALADDIN SCIENTIFIC CORPORATION

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

John Su
QA & QC Manager