

Certificate of Analysis

Date of Testing: 2023-01-06 10:33:59

Date of Next Testing: 2027-01-05 10:33:59

Product Name: **Potassium bicarbonate**

CAS Number: 298-14-6

Specifications & Purity: ≥99.99% metals basis, 99.7-100.5% dry basis

Lot #: A2303520

SKU #: **P110487**

Analysis: 154204

Parameter	Limit Values	Result
Insoluble matter in H2O	0-0.01 (%)	0.00 %
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Phosphate(PO4)	0-5 (ppm)	0.00 ppm
Ammonia (NH4)	0-5 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Sodium(Na)	0-0.03 (%)	0.01 %
Sulfate(SO42-)	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 (%)	100.28 %
Purity(Based On Trace Metals Analysis)	99.99-100 (%)	99.99 %
Trace Metal Analysis	0-100 (ppm)	99.00 ppm
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

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager