

## Certificate of Analysis

Date of Testing: 2023-11-21 11:54:36  
Date of Next Testing: 2027-11-20 11:54:36  
Product Name: **Potassium bicarbonate**  
CAS Number: 298-14-6  
Specifications & Purity:  $\geq 99.99\%$  metals basis, 99.7-100.5% dry basis  
Lot #: K2314612  
SKU #: **P110487**  
Analysis: **292141**

Parameter	Limit Values	Result
Insoluble matter in H <sub>2</sub> O	0-0.01 (%)	0.00 %
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Phosphate(PO <sub>4</sub> )	0-5 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	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(Based On Trace Metals Analysis)	99.99-100 (%)	99.99 %
Purity(Titration by HCL)(dry basis)	99.7-100.5 (%)	99.89 %
Ammonia (NH <sub>4</sub> )	0-5 (ppm)	5.00 ppm
Sodium(Na)	0-0.03 (%)	0.03 %
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



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ALADDIN SCIENTIFIC CORPORATION

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

John Su  
QA & QC Manager