

## Certificate of Analysis

Date of Testing: 2022-09-27 11:08:41  
Date of Next Testing: 2026-09-26 11:08:41  
Product Name: **Potassium bicarbonate**  
CAS Number: 298-14-6  
Specifications & Purity: ACS, 99.7-100.5% (dry basis)  
Lot #: I2223229  
SKU #: **P118601**  
Analysis: **140076**

Parameter	Limit Values	Result
Insoluble matter	0-0.01 (%)	0.00 %
Calcium(Ca)	0-0.002 (%)	0.00 %
Ammonia (NH <sub>4</sub> )	0-5 (ppm)	1.20 ppm
Phosphate(PO <sub>4</sub> )	0-5 (ppm)	3.20 ppm
Concentration(in Hot Water)	0-10 (%)	8.23 %
Iron(Fe)	0-5 (ppm)	0.18 ppm
Magnesium(Mg)	0-0.001 (%)	0.00 %
Sodium(Na)	0-0.03 (%)	0.01 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.003 (%)	0.00 %
Chloride (Cl <sup>-</sup> )	0-0.001 (%)	0.00 %
Purity(Titration by HCL)(dry basis)	99.7-100.5 (%)	99.97 %
Heavy metal (as Pb)	0-5 (ppm)	4.96 ppm
Appearance (P118601)	White Crystals, Powder or Granules	White Crystals, Powder or Granules
Infrared spectrum	Conforms to Structure	Conforms to Structure
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager