

## Certificate of Analysis

Date of Testing: 2024-02-18 14:25:02  
Date of Next Testing: 2027-02-17 14:25:02  
Product Name: **Potassium carbonate**  
CAS Number: 584-08-7  
Specifications & Purity: anhydrous, ACS reagent, ≥99%  
Lot #: A2426385  
SKU #: **P485460**  
Analysis: **312928**

Parameter	Limit Values	Result
Assay(Titration by HCL)	99-102.5 (%)	99.90 %
Insoluble matter	0-0.01 (%)	0.00 %
Iron(Fe)	0-5 (ppm)	0.00 ppm
Heavy Metals (by ICP-OES)	0-5 (ppm)	0.00000 ppm
Calcium(Ca)	0-0.005 (%)	0.00 %
Magnesium(Mg)	0-0.002 (%)	0.00 %
Sodium(Na)	0-0.02 (%)	0.01 %
Chloride Content	0-0.003 (%)	0.00280 %
Phosphate(PO4)	0-0.001 (%)	0.00000 %
Sulfur Compounds	0-0.004 (%)	0.00000 %
Silica	0-0.005 (%)	0.00000 %
Appearance(P485460)	white powder or solid	white powder or solid
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager