

## Certificate of Analysis

Date of Testing: 2024-04-09 11:54:01  
Date of Next Testing: 2028-04-08 11:54:01  
Product Name: **Potassium carbonate**  
CAS Number: 584-08-7  
Specifications & Purity: ACS, ≥99.0%  
Lot #: D2408084  
SKU #: **P111563**  
**Analysis:** **343162**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
silica(SiO <sub>2</sub> )	0-0.005 (%)	0.00 %
Calcium(Ca)	0-0.005 (%)	0.00 %
(PO <sub>4</sub> )Phosphate	0-0.001 (%)	0.00 %
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.004 (%)	0.00 %
Magnesium(Mg)	0-0.002 (%)	0.00 %
Loss on drying(300 °C)	0-1 (%)	0.01 %
Insoluble matter	0-0.01 (%)	0.00 %
Chloride (Cl <sup>-</sup> )	0-0.003 (%)	0.00 %
Iron(Fe)	0-5 (ppm)	0.00 ppm
Sodium(Na)	0-0.02 (%)	0.02 %
Purity(Titration by HCl)	99-102.5 (%)	100.28 %
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
Appearance(P111563)	white powder or solid	white powder or solid



John Su  
QA & QC Manager