

## Certificate of Analysis

Date of Testing: 2024-05-29 13:29:22  
Date of Next Testing: 2028-05-28 13:29:22  
Product Name: **Potassium carbonate**  
CAS Number: 584-08-7  
Specifications & Purity: ACS, ≥99.0%  
Lot #: E2415369  
SKU #: **P111563**  
Version: **2**  
Analysis #: **352959**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Calcium(Ca)	0-0.005 (%)	0.00 %
(PO4)Phosphate	0-0.001 (%)	0.00 %
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Sulfate(SO42-)	0-0.004 (%)	0.00 %
Magnesium(Mg)	0-0.002 (%)	0.00 %
Loss on drying(300 °C)	0-1 (%)	0.14 %
Insoluble matter	0-0.01 (%)	0.00 %
Chloride (Cl-)	0-0.003 (%)	0.00 %
Iron(Fe)	0-5 (ppm)	0.00 ppm
Sodium(Na)	0-0.02 (%)	0.01 %
Purity(Titration by HCl)	99-102.5 (%)	99.74 %
silica(SiO2)	0-0.005 (%)	0.00 %
Appearance(P111563)	white powder or solid	white powder or solid
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