

Certificate of Analysis

Date of Testing:	2023-09-08 13:44:39
Date of Next Testing:	2027-09-07 13:44:39
Product Name:	Potassium carbonate
CAS Number:	584-08-7
Specifications & Purity:	Guaranteed Reagent,99.5%
Lot #:	I2306591
SKU #	P111558
Analysis:	218110
Storage Temperature:	Desiccated

Parameter	Limit Values	Result
Loss on drying(300 °C)	0-1 (%)	0.19 %
Phosphorus (P)	0-0.0005 (%)	0.00 %
Sulfate(SO42-)	0-0.02 (%)	0.01 %
Sodium(Na)	0-0.5 (%)	0.03 %
Zinc(Zn)	0-0.0005 (%)	0.00 %
Calcium(Ca)	0-0.001 (%)	0.00 %
Aluminum(Al)	0-0.0005 (%)	0.00 %
Magnesium(Mg)	0-0.0005 (%)	0.00 %
Lead(Pb)	0-0.001 (%)	0.00 %
Chloride Content	0-0.005 (%)	0.00 %
Copper(Cu)	0-0.0005 (%)	0.00 %
Iron(Fe)	0-0.0005 (%)	0.00 %
Ammonia (NH4)	0-0.05 (%)	0.03 %
Insoluble matter	0-0.1 (%)	0.00 %
purity by titration	99.5-100 (%)	99.68 %
Appearance (P111558)	White Powder and Chunks	White Powder and Chunks
Solubility(1 m in water)	Clear colorless	Clear Colorless
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

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

John Su
QA & QC Manager