

## Certificate of Analysis

Date of Testing: 2023-02-03 14:51:14  
Date of Next Testing: 2027-02-02 14:51:14  
Product Name: **Potassium carbonate crystal**  
CAS Number: 6381-79-9  
Specifications & Purity: ACS  
Lot #: D1922093  
SKU #: **P112404**  
Analysis: **182511**

Parameter	Limit Values	Result
Magnesium(Mg)	0-0.002 (%)	0.00 %
Sodium(Na)	0-0.02 (%)	0.01 %
silica(SiO <sub>2</sub> )	0-0.005 (%)	0.00 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.004 (%)	0.00 %
Insoluble matter in H <sub>2</sub> O	0-0.01 (%)	0.00 %
Iron(Fe)	0-5 (ppm)	2.50 ppm
Phosphate(PO <sub>4</sub> )	0-0.001 (%)	0.00 %
Calcium(Ca)	0-0.005 (µg/mg)	0.00 µg/mg
Loss on drying	14-16.5 (%)	14.93 %
Assay	98.5-101 (%)	100.35 %
Heavy metal (as Pb)	0-5 (ppm)	1.63 ppm
Chloride (Cl <sup>-</sup> )	0-0.003 (%)	0.00 %
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager