

## Certificate of Analysis

Date of Testing: 2023-12-08 15:52:35  
Date of Next Testing: 2027-12-07 15:52:35  
Product Name: **Potassium nitrate**  
CAS Number: 7757-79-1  
Specifications & Purity: reagent grade,99.0%  
Lot #: K2329138  
SKU #: **P111633**  
**Analysis:** **107771**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
PH(5% in water,25°C)	5-8	7.20
Iodate (IO <sub>3</sub> <sup>-</sup> )	0-0.0005 (%)	0.00 %
Iron(Fe)	0-0.0002 (ppm)	0.00 ppm
(NO <sub>2</sub> )Nitrate	0-0.001 (%)	0.00 %
Magnesium(Mg)	0-0.002 (%)	0.00 %
Sodium(Na)	0-0.02 (%)	0.01 %
Heavy metal (as Pb)	0-0.0005 (%)	0.00 %
Calcium(Ca)	0-0.004 (µg/mg)	0.00 µg/mg
Total Chlorine(Cl)	0-0.003 (%)	0.00 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.003 (%)	0.00 %
Insoluble matter in H <sub>2</sub> O	0-0.004 (%)	0.00 %
Phosphate(PO <sub>4</sub> )	0-0.0005 (%)	0.00 %
Ammonia (NH <sub>4</sub> )	0-0.001 (%)	0.00 %
Assay	99-100 (%)	99.39 %
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager