

## Certificate of Analysis

Date of Testing: 2024-10-25 10:15:15

Date of Next Testing: 2028-10-24 10:15:15

Product Name: **Potassium nitrate**

CAS Number: 7757-79-1

Specifications & Purity: high-purity, ≥99%

Lot #: J2418125

SKU #: **P111635**

Version: **1**

Analysis #: **465824**

Storage Temperature: Desiccated

| Parameter               | Limit Values             | Result                   |
|-------------------------|--------------------------|--------------------------|
| Sulfate(SO42-)          | 0-0.002 (%)              | 0.00 %                   |
| Heavy metal (as Pb)     | 0-0.0003 (%)             | 0.00 %                   |
| Magnesium(Mg)           | 0-0.001 (%)              | 0.00 %                   |
| (NO2)Nitrate            | 0-0.001 (%)              | 0.00 %                   |
| Iodate (IO3-)           | 0-0.0005 (%)             | 0.00 %                   |
| Total Chlorine(Cl)      | 0-0.0015 (%)             | 0.00 %                   |
| Clarity test (#)        | 0-2                      | 1.10                     |
| Calcium(Ca)             | 0-0.001 (%)              | 0.00 %                   |
| Insoluble matter in H2O | 0-0.002 (%)              | 0.00 %                   |
| PH(5% in water,25°C)    | 5-8                      | 6.30                     |
| Assay                   | 99-100 (%)               | 100.00 %                 |
| Iron(Fe)                | 0-0.0001 (%)             | 0.00 %                   |
| Sodium(Na)              | 0-0.02 (%)               | 0.00 %                   |
| Ammonia (NH4)           | 0-0.001 (%)              | 0.00 %                   |
| Phosphate(PO4)          | 0-0.0005 (%)             | 0.00 %                   |
| Appearance(P111635)     | White Powder or Crystals | White Powder or Crystals |
| X-Ray Diffraction       | Conforms to Structure    | Conforms to Structure    |



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

John Su  
QA & QC Manager