

## Certificate of Analysis

Date of Testing: 2024-12-02 10:10:09

Date of Next Testing: 2028-12-01 10:10:09

Product Name: **Potassium carbonate**

CAS Number: 584-08-7

Specifications & Purity: GR, ≥99.5%

Lot #: K2426774

SKU #: **P111558**

Version: **1**

Analysis #: **436505**

Storage Temperature: Argon charged,Desiccated

| Parameter                | Limit Values            | Result                  |
|--------------------------|-------------------------|-------------------------|
| Loss on drying(300 °C)   | 0-1 (%)                 | 0.80 %                  |
| Phosphorus (P)           | 0-0.0005 (%)            | 0.00 %                  |
| Sulfate(SO42-)           | 0-0.02 (%)              | 0.00 %                  |
| Sodium(Na)               | 0-0.5 (%)               | 0.48 %                  |
| 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 %                  |
| Insoluble matter         | 0-0.1 (%)               | 0.00 %                  |
| purity by titration      | 99.5-100 (%)            | 99.56 %                 |
| Solubility(1 m in water) | Clear colorless         | Clear Colorless         |
| Appearance (P111558)     | White Powder and Chunks | White Powder and Chunks |
| 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