

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-02-09 21:07:06  
Date of Next Testing: 2026-02-08 21:07:06  
Product Name: **Potassium carbonate**  
CAS Number: 584-08-7  
Specifications & Purity: 99.995% metals basis  
Lot #: B2207386  
SKU #: **P111562**  
**Analysis:** **067449**  
Storage Temperature: Argon charged

| Parameter                              | Limit Values               | Result                     |
|--|----------------------------|----------------------------|
| Loss on drying(300 °C)                 | 0-1 (%)                    | 0.17 %                     |
| CO3(Titration by HCL)                  | 42.4-44.4 (%)              | 43.26 %                    |
| Purity(Based On Trace Metals Analysis) | 99.995-100 (%)             | 100.00 %                   |
| Total Metallic Impuritie               | 0-50 (ppm)                 | 50.00 ppm                  |
| Appearance (P111562)                   | white powder and/or chunks | white powder and/or chunks |
| ICP:Confirms Potassium Component       | Confirmed                  | Confirmed                  |
| X-Ray Diffraction                      | Conforms to Structure      | Conforms to Structure      |



John Su  
QA & QC Manager