

Certificate of Analysis

Date of Testing: 2022-09-28 10:07:57
Date of Next Testing: 2026-09-27 10:07:57
Product Name: **Potassium bicarbonate**
CAS Number: 298-14-6
Specifications & Purity: $\geq 99.99\%$ metals basis, 99.7-100.5% dry basis
Lot #: I2223225
SKU #: **P110487**
Analysis: **091789**

| Parameter | Limit Values | Result |
|---|------------------------------------|------------------------------------|
| Insoluble matter in H ₂ O | 0-0.01 (%) | 0.00 % |
| Phosphate(PO ₄) | 0-5 (ppm) | 3.20 ppm |
| Ammonia (NH ₄) | 0-5 (ppm) | 1.20 ppm |
| Iron(Fe) | 0-5 (ppm) | 0.18 ppm |
| Sodium(Na) | 0-0.03 (%) | 0.01 % |
| Sulfate(SO ₄ ²⁻) | 0-0.003 (%) | 0.00 % |
| Magnesium(Mg) | 0-0.001 (%) | 0.00 % |
| Chloride Content | 0-0.001 (%) | 0.00 % |
| Calcium(Ca) | 0-0.002 (%) | 0.00 % |
| Purity(Titration by HCL)(dry basis) | 99.7-100.5 (%) | 99.97 % |
| Heavy metal (as Pb) | 0-5 (ppm) | 4.96 ppm |
| Trace Metal Analysis | 0-100 (ppm) | 96.00 ppm |
| Purity(Based On Trace Metals Analysis) | 99.99-100 (%) | 99.99 % |
| Appearance (P110487) | White Crystals, Powder or Granules | White Crystals, Powder or Granules |
| ICP:Confirms Potassium Component | Confirmed | Confirmed |
| X-Ray Diffraction | Conforms to Structure | Conforms to Structure |



ALADDIN SCIENTIFIC CORPORATION

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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