

Certificate of Analysis

Date of Testing: 2022-02-28 13:09:22
 Date of Next Testing: 2026-02-27 13:09:22
 Product Name: **Potassium bicarbonate**
 CAS Number: 298-14-6
 Specifications & Purity: $\geq 99.99\%$ metals basis, 99.7-100.5% dry basis
 Lot #: B2226055
 SKU #: **P110487**
Analysis: 070349

| Parameter | Limit Values | Result |
|---|------------------------------------|------------------------------------|
| Insoluble matter in H ₂ O | 0-0.01 (%) | 0.00 % |
| Phosphate(PO ₄) | 0-5 (ppm) | 0.23 ppm |
| Ammonia (NH ₄) | 0-5 (ppm) | 0.12 ppm |
| Iron(Fe) | 0-5 (ppm) | 0.00 ppm |
| Sodium(Na) | 0-0.03 (%) | 0.02 % |
| 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 (%) | 100.22 % |
| Heavy metal (as Pb) | 0-5 (ppm) | 4.96 ppm |
| Trace Metal Analysis | 0-100 (ppm) | 99.00 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 |



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

John Su
QA & QC Manager