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Certificate of Analysis

| | |
|--------------------------|--|
| Catalogue Number | 30079 |
| Lot Number | 002251-05815 |
| Product | Potassium bicarbonate Potassium hydrogen carbonate |
| CAS Number | 298-14-6 |
| Molecular Formula | KHCO ₃ |
| Molecular Weight | 100.12 |

| | |
|-------------------------------|---|
| Appearance | White crystalline powder |
| Heavy Metals | < 5 ppm (as Pb) |
| Anion | Chloride (Cl ⁻): < 0.001% Phosphate (PO ₄ ³⁻): < 5 ppm Sulfur compounds (SO ₄): < 0.003% |
| Cation | Ammonium (NH ₄): < 5 ppm Iron (Fe): < 5ppm Calcium (Ca): 0.0005% Magnesium (Mg): 0.0006% Sodium (Na): 0.028% |
| Infrared Spectrum | Conforms to structure |
| Loss on Drying | 0.094% (Over silica gel/4h) |
| Insoluble material | 0.003% |
| Assay by titration | 100.39% (dried basis) |
| Grade | ACS/USP reagent |
| Application | Used as a buffer. |
| Storage | Store at RT |
| Additional Information | Normal carbonate: 2.0% |

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager