

CERTIFICATE OF ANALYSIS

| Item Number | Product Description | Lot Number |
|--------------------|-----------------------------------|---------------|
| CPB-S22060-1KG | CHEMPURE Sodium Bicarbonate, 1 KG | 225533-233960 |
| Formula | Molecular Weight | CAS Number |
| CHNaO ₃ | 84.0 | 144-55-8 |

QC TEST/RELEASE DATE: 06/19/2024

SUGGESTED RETEST DATE: 02/02/2029

| S.No | Test | Unit | Specifications | Test Value |
|------|------------------------------|------|--|------------|
| 1 | Appearance | | White Crystalline Powder | passed |
| 2 | Identification - Sodium | | No precipitate with K ₂ CO ₃ . Dense precipitate with H ₂ K ₂ O ₇ Sb ₂ | passed |
| 3 | Identification - Bicarbonate | | Effervesces in acid, gas precipitates in Ca(OH) ₂ TS | passed |
| 4 | Identification - Bicarbonate | | Cold Solution unchanged/slight colored | passed |
| 5 | Normal Carbonate | | Solution does not assume more than a faint pink in color immediately | passed |
| 6 | Insoluble Substances | | 1:20 Complete and clear | passed |
| 7 | Assay | % | 99.0 - 100.5 | 99.7 |
| 8 | Loss on Drying | % | ≤ 0.25 | 0.06 |
| 9 | Limit of Ammonia | ppm | ≤ 20 | < 20 |
| 10 | Cadmium | ppm | ≤ 0.5 | < 0.3 |
| 11 | Lead | ppm | ≤ 0.5 | < 0.1 |
| 12 | Arsenic (As) | ppm | ≤ 1.5 | < 0.1 |

| | | | | |
|----|---------------------------|-----|--------------|---------|
| 13 | Mercury (Hg) | ppm | ≤ 1.0 | < 1.0 |
| 14 | Chloride (Cl) | % | ≤ 0.015 | < 0.015 |
| 15 | Limit of Sulfur Compounds | % | ≤ 0.015 | < 0.015 |
| 16 | BSE/TSE Free | | BSE/TSE Free | passed |
| 17 | Country of Origin | | Report | USA |

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