

## Certificate of Analysis

Date of Testing: 2023-12-13 10:14:15

Date of Next Testing: 2026-12-12 10:14:15

Product Name: **Sodium carbonate**

CAS Number: 497-19-8

Specifications & Purity: anhydrous, powder or granules, ACS reagent, ≥99.5%

Lot #: L2305143

SKU #: **S432761**

Analysis: **295848**

| Parameter                            | Limit Values             | Result                   |
|--------------------------------------|--------------------------|--------------------------|
| Assay(Titration by HCL)(Dried Basis) | 99.5-102.5 (%)           | 99.63000 %               |
| Loss on Drying(285°C)                | 0-1 (%)                  | 0.21000 %                |
| Insoluble matter(c=10%,H2O)          | 0-0.01 (%)               | 0.00000 %                |
| Iron(Fe)                             | 0-5 (ppm)                | 2.00 ppm                 |
| Heavy Metals (by ICP-OES)            | 0-5 (ppm)                | 2.00000 ppm              |
| Calcium(Ca)                          | 0-0.03 (%)               | 0.00 %                   |
| Potassium(K)                         | 0-0.005 (%)              | 0.00 %                   |
| Magnesium(Mg)                        | 0-0.005 (%)              | 0.00 %                   |
| Chloride Content                     | 0-0.001 (%)              | 0.00100 %                |
| Phosphate(PO4)                       | 0-0.001 (%)              | 0.00000 %                |
| Sulfur Compounds                     | 0-0.003 (%)              | 0.00000 %                |
| Silica                               | 0-0.005 (%)              | 0.00000 %                |
| Appearance(S432761)                  | White Powder or Granules | White Powder or Granules |
| X-Ray Diffraction                    | Conforms to Structure    | Conforms to Structure    |



John Su  
QA & QC Manager