

Certificate of Analysis

Date of Testing: 2023-02-08 16:14:32
Date of Next Testing: 2025-01-28 16:14:32
Product Name: **Sodium bicarbonate**
CAS Number: 144-55-8
Specifications & Purity: for molecular biology, 99.7-100.3%
Lot #: E2308135
SKU #: **S112338**
Analysis: **184859**

| Parameter | Limit Values | Result |
|-------------------------------|-----------------------|-----------------------|
| Iron(Fe) | 0-0.001 (%) | 0.00 % |
| Heavy metal (as Pb) | 0-5 (ppm) | 1.60 ppm |
| Potassium(K) | 0-0.005 (%) | 0.00 % |
| Sulfate(SO42-) | 0-0.003 (%) | 0.00 % |
| Purity (T) | 99.8-100.2 (%) | 99.90 % |
| Appearance (S112338) | White powder | White powder |
| DNase, RNase and Protease | None Detected | none detected |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in H2O , 100 mg/mL | pass | Pass |
| X-Ray Diffraction | Conforms to Structure | Conforms to Structure |



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