

Certificate of Analysis

Date of Testing: 2024-05-10 10:20:29
 Date of Next Testing: 2027-05-10 10:20:29
 Product Name: **Sodium hydrogen carbonate**
 CAS Number: 144-55-8
 Specifications & Purity: Ph. Eur., BP, JP, USP, E 500
 Lot #: E2409461
 SKU #: **S432111**
Analysis: **351924**
 Storage Temperature: Room temperature

| Parameter | Limit Values | Result |
|-----------------------------------|-----------------------|-----------------------|
| Purity(Titration by HCl) | 99.5-100.5 (%) | 100.45 % |
| Chloride (Cl-) | 0-150 (ppm) | 0.00 ppm |
| Sulfate(SO42-) | 0-150 (ppm) | 0.00 ppm |
| Heavy metals(as Pb) | 0-5 (ppm) | 0.00 ppm |
| Aluminium(Al) | 0-1 (ppm) | 0.00000 ppm |
| Arsenic(As) | 0-2 (ppm) | 0.00000 ppm |
| Calcium(Ca) | 0-100 (ppm) | 0.00 ppm |
| Copper(Cu) | 0-5 (ppm) | 0.00 ppm |
| Iron(Fe) | 0-20 (ppm) | 0.00 ppm |
| Mercury(Hg) | 0-1 (ppm) | 0.00 ppm |
| Lead(Pb) | 0-2 (ppm) | 0.00 ppm |
| Loss on drying (on silicagel, 4h) | 0-0.25 (%) | 0.11000 % |
| PH(5% in water) | 7.9-8.4 | 8.40 |
| Ammonium(NH4) | 0-20 (ppm) | 20.00000 ppm |
| Appearance(S432111) | white powder | White powder |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Carbonate(CO3) | Pass | Pass |



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager