

Certificate of Analysis

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|--------------------------|-----------------------------------|
| Date of Testing: | 2024-03-04 16:51:30 |
| Date of Next Testing: | 2027-03-04 16:51:30 |
| Product Name: | Sodium hydrogen carbonate |
| CAS Number: | 144-55-8 |
| Specifications & Purity: | Ph. Eur., BP, JP, USP, FCC, E 500 |
| Lot #: | B2429524 |
| SKU # | S432111 |
| Analysis: | 318565 |
| Storage Temperature: | Room temperature |

| Parameter | Limit Values | Result |
|---|-----------------------|-----------------------|
| PH(5% in water) | 7.9-8.4 | 8.34 |
| Chloride (Cl ⁻) | 0-150 (ppm) | 0.00 ppm |
| Sulfate(SO ₄ ²⁻) | 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) | 2.00 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 (%) | 0.08400 % |
| Ammonium(NH ₄) | 0-20 (ppm) | 19.61000 ppm |
| Purity(Titration by HCl) | 99.5-100.5 (%) | 100.49 % |
| Appearance(S432111) | white powder | White powder |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Carbonate(CO ₃) | Pass | Pass |



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager