

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-31 09:42:36

Date of Next Testing: 2029-12-30 09:42:36

Product Name: **CAPS**

CAS Number: 1135-40-6

Specifications & Purity: Ultra pure, ≥99%(HPLC)

Lot #: L2530466

SKU #: **C105210**

Version: **0**

Analysis #: **628694**

Storage Temperature: Room temperature

| Parameter                 | Limit Values | Result      |
|---------------------------|--------------|-------------|
| Calcium(Ca)               | 0-10 (ppm)   | 0.15800 ppm |
| Manganese(Mn)             | 0-5 (ppm)    | 0.01800 ppm |
| Chloride (Cl-)            | 0-50 (ppm)   | 1.82000 ppm |
| Aluminum(Al)              | 0-5 (ppm)    | 0.21400 ppm |
| Strontium(Sr)             | 0-5 (ppm)    | 0.04800 ppm |
| Cadmium(Cd)               | 0-5 (ppm)    | 0.26800 ppm |
| Lithium(Li)               | 0-5 (ppm)    | 0.00100 ppm |
| UV Absorbance 260nm       | 0-0.04       | 0.00010     |
| Copper(Cu)                | 0-5 (%)      | 0.01580 %   |
| (Pb)Lead                  | 0-5 (ppm)    | 0.01820 ppm |
| Nickel(Ni)                | 0-5 (ppm)    | 0.25200 ppm |
| Chromium(Cr)              | 0-5 (ppm)    | 0.00100 ppm |
| Purity(HPLC)              | 98-100 (%)   | 99.97800 %  |
| UV Absorbance 280nm       | 0-0.04       | 0.00100     |
| Cobalt(Co)                | 0-5 (ppm)    | 0.24800 ppm |
| (As)Arsenic               | 0-0.1 (ppm)  | 0.00100 ppm |
| Barium(Ba)                | 0-5 (ppm)    | 0.15800 ppm |
| Magnesium(Mg)             | 0-5 (ppm)    | 0.02500 ppm |
| Molybdenum(Mo)            | 0-5 (ppm)    | 0.08100 ppm |
| Sulfate(SO42-)            | 0-150 (ppm)  | 1.17500 ppm |
| loss on drying, 110 °C    | 0-1 (%)      | 0.37090 %   |
| Iron(Fe)                  | 0-5 (ppm)    | 0.05800 ppm |
| Bismuth(Bi)               | 0-5 (ppm)    | 0.32500 ppm |
| PH(25 °C, 0.5 M in Water) | 3.5-6        | 5.91900     |
| Ignition Residue          | 0-0.05 (%)   | 0.00000 %   |

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| Parameter                                                              | Limit Values             | Result                   |
|------------------------------------------------------------------------|--------------------------|--------------------------|
| Potassium(K)                                                           | 0-50 (ppm)               | 1.52400 ppm              |
| Sodium(Na)                                                             | 0-50 (ppm)               | 0.83600 ppm              |
| Zinc(Zn)                                                               | 0-5 (ppm)                | 0.10200 ppm              |
| Appearance (C105210)                                                   | white crystalline powder | white crystalline powder |
| pKa                                                                    | 6.8                      | 6.8                      |
| Solubility in H <sub>2</sub> O , soluble , 1M , 20°C, clear, colorless | pass                     | Pass                     |
| $\lambda$ , 0.05 M in H <sub>2</sub> O                                 | Pass                     | Pass                     |
| Infrared spectrum                                                      | Conforms to Structure    | Conforms to Structure    |



John Su  
QA & QC Manager