

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

| | |
|--------------------------|----------------------|
| Date of Testing: | 2025-09-11 16:16:48 |
| Date of Next Testing: | 2029-09-10 16:16:48 |
| Product Name: | Succinic acid |
| CAS Number: | 110-15-6 |
| Specifications & Purity: | AR, ≥99.5% |
| Lot #: | I2501377 |
| SKU # | S108855 |
| Version | 0 |
| Analysis #: | 534353 |
| Storage Temperature: | Room temperature |

| Parameter | Limit Values | Result |
|---|-----------------------|-----------------------|
| Purity(Neutralization titration) | 99.5-100.5 (%) | 99.56000 % |
| Lead(Pb) | 0-0.001 (%) | 0.00000 % |
| Calcium(Ca) | 0-0.001 (%) | 0.00000 % |
| Chloride (Cl-) | 0-0.001 (%) | 0.00010 % |
| Phosphorus (P) | 0-0.0005 (%) | 0.00049 % |
| Ignition Residue(Ash) | 0-0.02 (%) | 0.00000 % |
| Ammonia (NH4) | 0-0.05 (%) | 0.01250 % |
| Aluminum(Al) | 0-0.0005 (%) | 0.00000 % |
| (PO4)Phosphate | 0-0.001 (%) | 0.00010 % |
| Iron(Fe) | 0-0.0005 (%) | 0.00000 % |
| Magnesium(Mg) | 0-0.0005 (%) | 0.00000 % |
| Potassium(K) | 0-0.005 (%) | 0.00000 % |
| Copper(Cu) | 0-0.0005 (%) | 0.00000 % |
| Sodium(Na) | 0-0.005 (%) | 0.00040 % |
| Insoluble matter | 0-0.01 (%) | 0.00000 % |
| Zinc(Zn) | 0-0.0005 (%) | 0.00000 % |
| Melting point | 185-189 (°C) | 185.10000 °C |
| Appearance (S108855) | white powder | White powder |
| Solubility in H2O , Colorless Clear,0.5 M | pass | Pass |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



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

John Su
QA & QC Manager