

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-11 16:59:43

Date of Next Testing: 2027-01-10 16:59:43

Product Name: **Succinic acid**

CAS Number: 110-15-6

Specifications & Purity: AR, ≥99.5%

Lot #: A2305616

SKU #: **S108855**

Version: **0**

Analysis #: **156892**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Neutralization titration)	99.5-100.5 (%)	99.68000 %
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 (%)	0.00000 %
Ignition Residue(Ash)	0-0.02 (%)	0.00000 %
Ammonia (NH4)	0-0.05 (%)	0.02600 %
Aluminum(Al)	0-0.0005 (%)	0.00000 %
(PO4)Phosphate	0-0.001 (%)	0.00025 %
Iron(Fe)	0-0.0005 (%)	0.00000 %
Magnesium(Mg)	0-0.0005 (%)	0.00000 %
Potassium(K)	0-0.005 (%)	0.00002 %
Copper(Cu)	0-0.0005 (%)	0.00000 %
Sodium(Na)	0-0.005 (%)	0.00098 %
Insoluble matter	0-0.01 (%)	0.00000 %
Zinc(Zn)	0-0.0005 (%)	0.00000 %
Melting point	185-189 (°C)	188.90000 °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