

Certificate of Analysis

Date of Testing: 2022-11-15 17:58:04

Date of Next Testing: 2026-11-14 17:58:04

Product Name: **Succinic acid**

CAS Number: 110-15-6

Specifications & Purity: Analytical Reagent,99.5%

Lot #: K2214038

SKU #: **S108855**

Analysis: **156051**

Parameter	Limit Values	Result
Melting point	185-189 (°C)	188.79000 °C
Purity(Neutralization titration)	99.5-100.5 (%)	99.66 %
Lead(Pb)	0-0.001 (%)	0.00 %
Calcium(Ca)	0-0.001 (%)	0.00 %
Chloride (Cl-)	0-0.001 (%)	0.00 %
Phosphorus (P)	0-0.0005 (%)	0.00 %
Ignition Residue(Ash)	0-0.02 (%)	0.00 %
Ammonia (NH4)	0-0.05 (%)	0.03 %
Aluminum(Al)	0-0.0005 (%)	0.00 %
(PO4)Phosphate	0-0.001 (%)	0.00 %
Iron(Fe)	0-0.0005 (%)	0.00 %
Magnesium(Mg)	0-0.0005 (%)	0.00 %
Potassium(K)	0-0.005 (%)	0.00 %
Copper(Cu)	0-0.0005 (%)	0.00 %
Sodium(Na)	0-0.005 (%)	0.00 %
Insoluble matter	0-0.01 (%)	0.00 %
Zinc(Zn)	0-0.0005 (%)	0.00 %
Appearance (S108855)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O , Colorless Clear,0.5 M	pass	Pass



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager