

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-05-28 18:53:56

Date of Next Testing: 2027-05-28 18:53:56

Product Name: **Succinic acid**

CAS Number: 110-15-6

Specifications & Purity: Moligand™, Suitable for Analysis, ACS, Premium pure

Lot #: E2417047

SKU #: **S431424**

Version: **1**

Analysis #: **236502**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay(acidimetric)	99.5-102.5 (%)	100.49000 %
Insoluble matter in water	0-50 (ppm)	0.00000 ppm
Melting point	185-190 (°C)	186.20000 °C
Chloride (Cl-)	0-5 (ppm)	0.00 ppm
Phosphate(PO ₄)	0-0.001 (%)	0.00029 %
Sulfate(SO ₄)	0-30 (ppm)	25.50000 ppm
Heavy metals(as Pb)	0-5 (ppm)	2.50 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Nitrogen Compounds(as N)	0-0.001 (%)	0.00000 %
Fumaric acid(HPLC)	0-5000 (ppm)	2500.00000 ppm
Sulfated ash(600°C)	0-200 (ppm)	150.00000 ppm
Water by Karl Fischer	0-0.5 (%)	0.35 %
Appearance(S431424)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance of solution(5%;water)	passes test	Passes test



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

John Su
QA & QC Manager