

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-06-15 17:52:15
Date of Next Testing: 2026-06-14 17:52:15
Product Name: **Succinic acid**
CAS Number: 110-15-6
Specifications & Purity: Moligand™, ≥99.5%(T), matrix substance for MALDI-MS
Lot #: H1807078
SKU #: **S108852**
Version: **0**
Analysis #: **100309**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Chloride (Cl-)	0-10 (ppm)	2.32000 ppm
Manganese(Mn)	0-5 (ppm)	1.77000 ppm
Iron(Fe)	0-5 (ppm)	3.21000 ppm
Calcium(Ca)	0-50 (ppm)	2.78300 ppm
Chromium(Cr)	0-5 (ppm)	3.50000 ppm
Copper(Cu)	0-5 (ppm)	2.75000 ppm
Magnesium(Mg)	0-5 (ppm)	3.85000 ppm
Ammonia (NH4)	0-5 (ppm)	3.20000 ppm
Cobalt(Co)	0-5 (ppm)	3.79000 ppm
(Pb)Lead	0-5 (ppm)	1.63700 ppm
Zinc(Zn)	0-5 (ppm)	5.00000 ppm
Nickel(Ni)	0-5 (ppm)	2.90000 ppm
Potassium(K)	0-50 (ppm)	26.00000 ppm
Sodium(Na)	0-50 (ppm)	34.00000 ppm
Purity (T)	99.5-100.5 (%)	99.97000 %
Cadmium(Cd)	0-5 (ppm)	4.60000 ppm
Sulfate(SO42-)	0-30 (ppm)	22.00000 ppm
Appearance (S108852)	white to beige powder	white to beige powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
X-Ray Diffraction	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