

## Certificate of Analysis

Date of Testing:	2025-06-10 13:49:02
Date of Next Testing:	2029-06-09 13:49:02
Product Name:	<b>Succinic acid</b>
CAS Number:	110-15-6
Specifications & Purity:	AR, ≥99.5%
Lot #:	F2505088
SKU #	<b>S108855</b>
Version	<b>0</b>
Analysis #:	<b>496936</b>

Parameter	Limit Values	Result
Purity(Neutralization titration)	99.5-100.5 (%)	100.19 %
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 (NH <sub>4</sub> )	0-0.05 (%)	0.01 %
Aluminum(Al)	0-0.0005 (%)	0.00 %
(PO <sub>4</sub> )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 %
Melting point	185-189 (°C)	188.95000 °C
Appearance (S108855)	white powder	White powder
Solubility in H <sub>2</sub> O , 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". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager