

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-04 10:15:46

Date of Next Testing: 2025-01-24 10:15:46

Product Name: **Fumaric acid**

CAS Number: 110-17-8

Specifications & Purity: for cell culture, $\geq 99\%$

Lot #: B2301567

SKU #: **F118459**

Version: **0**

Analysis #: **030897**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.09000 %
Purity(Neutralization titration)	98.5-101.5 (%)	98.82000 %
Appearance (F118459)	White powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH	pass	Pass
Cell Culture Test	pass	Pass



John Su
QA & QC Manager