

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-14 15:47:19  
Date of Next Testing: 2026-12-13 15:47:19  
Product Name: **Dibutyl Fumarate**  
CAS Number: 105-75-9  
Specifications & Purity: >98.0%(GC)  
Lot #: L2201824  
SKU #: **D155172**  
Analysis: **126903**

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.77%
Refractive index n <sub>20</sub> /D	1.445-1.448	1.45
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su  
QA & QC Manager