

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-06 10:12:58

Date of Next Testing: 2027-07-05 10:12:58

Product Name: **Carbon nanotube, multi-walled**

CAS Number: 308068-56-6

Specifications & Purity: Outer diameter: 8-15nm, length: 30-50 μ m

Lot #: F2314237

SKU #: **C491701**

Analysis: **154457**

Parameter	Limit Values	Result
Ash	0-2 (%)	1.98 %
Outer Diameter	8-15 (nm)	8.00 nm
Length	30-50 (μ m)	30.00 μ m
Purity(ICP)	98-100 (%)	98.32 %
Specific Surface Area	200-250 (m ² /g)	220.00 m ² /g

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

John Su
QA & QC Manager