

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-26 13:06:15

Date of Next Testing: 2026-11-25 13:06:15

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

CAS Number: 308068-56-6

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

Lot #: K2216444

SKU #: **C491701**

Analysis: 160135

Parameter	Limit Values	Result
Ash	0-2 (%)	1.90 %
Outer Diameter	8-15 (nm)	12.00 nm
Length	30-50 (μ m)	45.00 μ m
Specific Surface Area	200-250 (m ² /g)	210.00 m ² /g
Purity(ICP)	98-100 (%)	98.10 %

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

John Su
QA & QC Manager