

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-13 13:40:13

Date of Next Testing: 2027-11-12 13:40:13

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

CAS Number: 308068-56-6

Specifications & Purity:

Lot #: K2306174

SKU #: **C493314**

Analysis: **295049**

Parameter	Limit Values	Result
Purity(TGA)	98-100 (%)	98.50000 %
Outer Diameter	30-50 (nm)	39.50 nm
Length	0-10 (µm)	5.40 µm
Specific surface area (BET)	> 100 (m2/g)	110.20 m2/g
Ash	< 1.5 (%)	1.45 %
Appearance(Black powder)	pass	Pass

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

John Su
QA & QC Manager