

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-31 15:44:52

Date of Next Testing: 2027-08-30 15:44:52

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

CAS Number: 308068-56-6

Specifications & Purity:

Lot #: H2329281

SKU # **C493314**

Analysis: 263322

Parameter	Limit Values	Result
Purity(TGA)	98-100 (%)	98.20000 %
Outer Diameter	30-80 (nm)	32.60 nm
Length	0-10 (µm)	5.20 µm
Specific surface area (BET)	> 60 (m2/g)	61.80 m2/g
Ash	< 1.5 (%)	1.03 %
-COOH Content	0.35-0.55 (%)	0.35100 %
Appearance(Black powder)	pass	Pass

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

John Su
QA & QC Manager