

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-24 11:57:30

Date of Next Testing: 2027-11-23 11:57:30

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

CAS Number: 308068-56-6

Specifications & Purity:

Lot #: K2320180

SKU #: **C493314**

Analysis: **277127**

Parameter	Limit Values	Result
Purity(TGA)	90-100 (%)	92.00000 %
Outer Diameter	10-20 (nm)	15.20 nm
Length	<30 (µm)	16.00 µm
Specific Surface Area	230-280 (m ² /g)	255.00 m ² /g
Appearance(color)	Black	Black

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

John Su
QA & QC Manager