

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-19 16:24:42

Date of Next Testing: 2027-09-18 16:24:42

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

CAS Number: 308068-56-6

Specifications & Purity:

Lot #: I2312091

SKU #: **C493314**

Analysis: **278423**

Parameter	Limit Values	Result
Purity(TGA)	98-100 (%)	98.20000 %
Outer Diameter	5-15 (nm)	7.20 nm
Length	10-30 (µm)	12.36 µm
Specific Surface Area	220-300 (m2/g)	220.60 m2/g
Ash	< 1.5 (%)	1.48 %
-COOH Content	3.6-3.9 (%)	3.80000 %

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

John Su
QA & QC Manager