

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-14 17:29:36

Date of Next Testing: 2027-09-13 17:29:36

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

CAS Number: 308068-56-6

Specifications & Purity:

Lot #: I2312104

SKU #: **C493314**

Analysis: 276331

Parameter	Limit Values	Result
Specific Surface Area	>110 (m ² /g)	124.00 m ² /g
Purity(TGA)	98-100 (%)	98.20000 %
COOH Content	1.2-1.3 (%)	1.23000 %
Length	10-30 (μm)	21.00 μm
Outer Diameter	20-30 (nm)	25.00 nm
Ash	0-1.5 (%)	1.45 %
Exterior color	Black	Black

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

John Su
QA & QC Manager