

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-14 10:43:53

Date of Next Testing: 2027-12-13 10:43:53

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

CAS Number: 308068-56-6

Specifications & Purity:

Lot #: L2306068

SKU #: **C493314**

Analysis: **304714**

Parameter	Limit Values	Result
Specific Surface Area	>110 (m ² /g)	150.00 m ² /g
Purity(TGA)	98-100 (%)	99.90000 %
COOH Content	1.2-1.3 (%)	1.25000 %
Length	10-30 (μm)	16.30 μm
Outer Diameter	20-30 (nm)	24.50 nm
Ash	0-1.5 (%)	1.10 %
Exterior color	Black	Black

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

John Su
QA & QC Manager