

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-31 16:43:51

Date of Next Testing: 2027-10-30 16:43:51

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

CAS Number: 308068-56-6

Specifications & Purity:

Lot #: J2320032

SKU #: **C493314**

Analysis: 291762

Parameter	Limit Values	Result
COOH Content	1.9-2.1 (%)	1.96000 %
Outer Diameter	10-20 (nm)	15.30 nm
Ash	0-1.5 (%)	0.00 %
Length	10-30 (μm)	26.00 μm
Purity(TGA)	98-100 (%)	98.00000 %
Specific Surface Area	≥150 (m ² /g)	150.00 m ² /g
Exterior color	Black	Black

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

John Su
QA & QC Manager