

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-06-28 17:00:39

Date of Next Testing: 2027-06-27 17:00:39

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

CAS Number: 308068-56-6

Specifications & Purity: $\geq 70\%$, OD:30-60nm,Length:1-10 μm

Lot #: F2225212

SKU #: **C139870**

Version: **0**

Analysis #: **094880**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Surface Area	≥ 100 (m ² /g)	101.70000 m ² /g
Inner Diameter	20-50 (nm)	35.00000 nm
Ash	0-2 (%)	1.10000 %
Length	1-10 (μm)	6.50000 μm
Outer Diameter	30-60 (nm)	45.00000 nm
Purity	70-100 (%)	70.10000 %
Electric Conductivity	≥ 100000 ($\mu\text{S}/\text{cm}$)	100000.00000 $\mu\text{S}/\text{cm}$
Exterior color	Black	Black



John Su
QA & QC Manager