

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-14 17:47:02

Date of Next Testing: 2027-10-13 17:47:02

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

CAS Number: 308068-56-6

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

Lot #: J2211463

SKU #: **C139870**

Version: **0**

Analysis #: **144138**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Surface Area	≥ 100 (m ² /g)	110.00000 m ² /g
Inner Diameter	20-50 (nm)	50.00000 nm
Ash	0-2 (%)	1.70000 %
Length	1-10 (μ m)	7.00000 μ m
Outer Diameter	30-60 (nm)	45.00000 nm
Purity	70-100 (%)	70.00000 %
Electric Conductivity	≥ 100000 (μ S/cm)	110020.00000 μ S/cm
Exterior color	Black	Black



John Su
QA & QC Manager