

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-02 20:22:49

Date of Next Testing: 2028-02-29 20:22:49

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

CAS Number: 308068-56-6

Specifications & Purity: technical grade, -COOH Functionalized, >90%, OD: 10-30nm, Length: 10-30µm

Lot #: B2322157

SKU #: **C409339**

Version: **1**

Analysis #: **166888**

Parameter	Limit Values	Result
Outer Diameter	10-30 (nm)	12.30000 nm
Length	10-30 (µm)	14.20000 µm
Specific Surface Area	> 110 (m ² /g)	112.60000 m ² /g
Ash	0-5 (%)	4.82000 %
Purity	90-100 (%)	95.00000 %
COOH Content	1.5-1.6 (%)	1.51000 %
Exterior color	Black	Black



John Su
QA & QC Manager