

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-13 17:12:29
Date of Next Testing: 2027-09-12 17:12:29
Product Name: **Carbon nanotube, multi-walled**
CAS Number: 308068-56-6
Specifications & Purity:
Lot #: 12312132
SKU #: **C493326**
Analysis: **276626**

Parameter	Limit Values	Result
Purity(TGA)	99.9-100 (%)	99.99000%
Outer Diameter	30-50 (nm)	48.00 nm
Length	<10 (μm)	9.96 μm
Specific surface area (BET)	>80 (m^2/g)	92.80 m^2/g
Ash	< 0.1 (%)	0.03%
-COOH Content	0.30-0.40 (%)	0.36000%
Appearance(Black powder)	pass	Pass



John Su
QA & QC Manager