

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-20 10:48:28
Date of Next Testing: 2028-01-19 10:48:28
Product Name: **Carbon nanotube, multi-walled**
CAS Number: 308068-56-6
Specifications & Purity:
Lot #: A2415239
SKU #: **C493324**
Analysis: 316299

Parameter	Limit Values	Result
Purity(TGA)	98-100 (%)	98.00000 %
Outer Diameter	20-30 (nm)	20.00 nm
Length	0.5-2 (μm)	1.00 μm
-COOH Content	1.13-1.33 (%)	1.20000 %
Specific surface area (BET)	> 170 (m ² /g)	172.00 m ² /g
Ash	< 1.5 (%)	1.45 %
Appearance(Black powder)	pass	Pass



John Su
QA & QC Manager