

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-24 15:28:37
Date of Next Testing: 2027-11-23 15:28:37
Product Name: **Carbon nanotube, multi-walled**
CAS Number: 308068-56-6
Specifications & Purity:
Lot #: K2317460
SKU #: **C493326**
Analysis: 261289

Parameter	Limit Values	Result
Purity(TGA)	99.9-100 (%)	99.91000 %
Outer Diameter	20-30 (nm)	22.00 nm
Length	5-30 (µm)	10.00 µm
Specific surface area (BET)	>90 (m ² /g)	91.00 m ² /g
Ash	< 0.1 (%)	0.09 %
-COOH Content	0.5-0.7 (%)	0.51000 %
Appearance(Black powder)	pass	Pass



John Su
QA & QC Manager