

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-24 15:26:13
Date of Next Testing: 2027-11-23 15:26:13
Product Name: **Carbon nanotube, multi-walled**
CAS Number: 308068-56-6
Specifications & Purity:
Lot #: K2317458
SKU #: **C493326**
Analysis: **263298**

Parameter	Limit Values	Result
Purity(TGA)	99.9-100 (%)	99.92000%
Outer Diameter	8-15 (nm)	10.60 nm
Length	10-50 (μm)	33.80 μm
Specific surface area (BET)	> 117 (m^2/g)	136.00 m^2/g
-COOH Content	> 1 (%)	1.03000%
Ash	< 0.1 (%)	0.08%
Appearance(Black powder)	pass	Pass



John Su
QA & QC Manager