

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-13 17:12:10
Date of Next Testing: 2027-09-12 17:12:10
Product Name: **Carbon nanotube, multi-walled**
CAS Number: 308068-56-6
Specifications & Purity:
Lot #: 12312126
SKU #: **C493326**
Analysis: **276617**

Parameter	Limit Values	Result
Purity(TGA)	99.9-100 (%)	99.90000 %
Outer Diameter	10-20 (nm)	18.00 nm
Length	5-30 (μm)	25.00 μm
Ash	< 0.1 (%)	0.03 %
-COOH Content	0.9-1.1 (%)	1.00000 %
Specific Surface Area	≥ 130 (m^2/g)	132.00 m^2/g
Appearance(Black powder)	pass	Pass



John Su
QA & QC Manager