

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-19 17:19:48
Date of Next Testing: 2027-09-18 17:19:48
Product Name: **Carbon nanotube, multi-walled**
CAS Number: 308068-56-6
Specifications & Purity:
Lot #: 12313150
SKU #: **C493460**
Analysis: 278933

Parameter	Limit Values	Result
-COOH Content	1.45-1.65 (%)	1.51000 %
Outer Diameter	10-30 (nm)	12.30 nm
Purity(TGA)	95-100 (%)	95.00000 %
Specific Surface Area	> 110 (m ² /g)	112.60 m ² /g
Length	10-30 (μm)	14.20 μm
Ash	0-5 (%)	4.82 %
Appearance(Black powder)	pass	Pass



John Su
QA & QC Manager