

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-15 17:13:06  
Date of Next Testing: 2027-09-14 17:13:06  
Product Name: **Carbon nanotube, multi-walled**  
CAS Number: 308068-56-6  
Specifications & Purity:  
Lot #: 12313021  
SKU #: **C493463**  
Analysis: **276937**

Parameter	Limit Values	Result
Ash	0-0.5 (%)	0.02 %
Specific Surface Area	>110 (m <sup>2</sup> /g)	111.00 m <sup>2</sup> /g
Length	10-30 (μm)	30.00 μm
Outer Diameter	10-30 (nm)	30.00 nm
Purity(TGA)	95-100 (%)	98.00000 %
Appearance(Black powder)	pass	Pass



John Su  
QA & QC Manager