

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-01 15:39:08  
Date of Next Testing: 2027-08-31 15:39:08  
Product Name: **single-walled carbon nanotubes**  
CAS Number: 308068-56-6  
Specifications & Purity:  
Lot #: H2325307  
SKU #: **C493391**  
Analysis: **263303**

Parameter	Limit Values	Result
Purity(TGA)	>60 (%)	63.40000 %
Outer Diameter	1-2 (nm)	1.05 nm
Length	5-30 ( $\mu\text{m}$ )	6.20 $\mu\text{m}$
Specific Surface Area	>407 ( $\text{m}^2/\text{g}$ )	409.40 $\text{m}^2/\text{g}$
Ash	0-5 (%)	0.36 %
Appearance(Black powder)	pass	Pass



John Su  
QA & QC Manager