

## Certificate of Analysis

Date of Testing: 2023-11-27 16:24:30  
Date of Next Testing: 2027-11-26 16:24:30  
Product Name: **single-walled carbon nanotubes**  
CAS Number: 308068-56-6  
Specifications & Purity:  
Lot #: K2317237  
SKU #: **C493391**  
**Analysis: 261293**

Parameter	Limit Values	Result
Ash	<5 (%)	1.07 %
Specific Surface Area	>380 (m <sup>2</sup> /g)	996.56 m <sup>2</sup> /g
Purity(TGA)	>90 (%)	98.92700 %
Length	5-30 (μm)	10.00 μm
Outer Diameter	1-2 (nm)	1.30 nm
Appearance(Black powder)	pass	Pass



John Su  
QA & QC Manager