

## Certificate of Analysis

Date of Testing: 2023-11-01 17:04:57  
Date of Next Testing: 2027-10-31 17:04:57  
Product Name: **High-purity single-walled carbon nanotubes (floating catalysis)**  
CAS Number: 308068-56-6  
Specifications & Purity:  
Lot #: J2320055  
SKU #: **C493369**  
Analysis: **291550**

Parameter	Limit Values	Result
Purity(TGA)	>95 (%)	96.00000 %
Outer Diameter	1-2 (nm)	1.50 nm
Length	5-30 ( $\mu\text{m}$ )	15.00 $\mu\text{m}$
Specific Surface Area	>640 ( $\text{m}^2/\text{g}$ )	710.00 $\text{m}^2/\text{g}$



John Su  
QA & QC Manager