

## Certificate of Analysis

Date of Testing: 2024-02-01 11:42:18  
Date of Next Testing: 2028-01-31 11:42:18  
Product Name: **Carbon nanotube, multi-walled**  
CAS Number: 308068-56-6  
Specifications & Purity:  
Lot #: A2416239  
SKU #: **C493460**  
Analysis: **304155**

Parameter	Limit Values	Result
Ash	0-5 (%)	3.80 %
Length	10-20 ( $\mu\text{m}$ )	15.00 $\mu\text{m}$
Outer Diameter	4-8 (nm)	6.10 nm
Purity(TGA)	95-100 (%)	95.10000 %
Appearance(Black powder)	pass	Pass



John Su  
QA & QC Manager