

## Certificate of Analysis

Date of Testing: 2023-09-06 15:53:07  
Date of Next Testing: 2027-09-05 15:53:07  
Product Name: **Carbon nanotube, multi-walled**  
CAS Number: 308068-56-6  
Specifications & Purity:  
Lot #: H2325331  
SKU #: **C493454**  
**Analysis: 263198**

Parameter	Limit Values	Result
Purity(TGA)	>95 (%)	95.25000 %
Outer Diameter	5-15 (nm)	5.36 nm
Length	10-30 (µm)	12.30 µm
Specific Surface Area	200-240 (m2/g)	231.30 m2/g
Ash	<3 (%)	0.36 %
Appearance(Black powder)	pass	Pass



John Su  
QA & QC Manager