

## Certificate of Analysis

Date of Testing: 2023-09-19 18:10:13  
Date of Next Testing: 2027-09-18 18:10:13  
Product Name: **Carbon nanotube, multi-walled**  
CAS Number: 308068-56-6  
Specifications & Purity:  
Lot #: 12313031  
SKU #: **C493463**  
Analysis: **279000**

Parameter	Limit Values	Result
Specific Surface Area	>120 (m <sup>2</sup> /g)	121.00 m <sup>2</sup> /g
Length	5-20 (μm)	13.50 μm
Outer Diameter	10-20 (nm)	15.00 nm
Purity(TGA)	95-100 (%)	95.00000 %
Appearance(Black powder)	pass	Pass



John Su  
QA & QC Manager