

## Certificate of Analysis

Date of Testing: 2023-10-17 14:31:24  
Date of Next Testing: 2028-10-15 14:31:24  
Product Name: **Carbon nanotube, multi-walled**  
CAS Number: 308068-56-6  
Specifications & Purity: -OH Functionalized, >95%, OD: 10-20nm, Length: 10-30µm  
Lot #: J2311117  
SKU #: **C139827**  
Analysis: **179037**

Parameter	Limit Values	Result
OH Content	3-3.1%	3.00 %
Specific Surface Area	≥150 (m <sup>2</sup> /g)	350.00 m <sup>2</sup> /g
Purity	95-100 (%)	97.36 %
Length	10-30 (µm)	20.22 µm
Ash	0-1.5 (%)	1.20 %
Outer Diameter	10-20 (nm)	11.30 nm
Electric Conductivity	≥100000 (µS/cm)	200000.00 µS/cm
Exterior color	Black	Black



John Su  
QA & QC Manager