

## Certificate of Analysis

Date of Testing: 2022-05-05 11:40:14  
Date of Next Testing: 2026-05-04 11:40:14  
Product Name: **Carbon nanotube, single-walled**  
CAS Number: 308068-56-6  
Specifications & Purity:  $\geq 95\%$ , OD: 1-2nm, Length: 5-30 $\mu$ m, Floating catalyst  
Lot #: C2223467  
SKU #: **C140995**  
Analysis: **075837**

Parameter	Limit Values	Result
Ash	0-5 (%)	5.00%
Length	5-30 ( $\mu$ m)	15.00 $\mu$ m
Specific Surface Area	$\geq 690$ (m <sup>2</sup> /g)	900.00 m <sup>2</sup> /g
Diameter	0-2 (nm)	1.00 nm
Purity	95-100 (%)	95.00%
Appearance (C140995)	black powder	black powder



John Su  
QA & QC Manager