

## Certificate of Analysis

Date of Testing: 2023-06-20 18:07:43  
Date of Next Testing: 2028-06-18 18:07:43  
Product Name: **Carbon nanotube, multi-walled**  
CAS Number: 308068-56-6  
Specifications & Purity: Graphitized, >99.9%, OD: 30-80nm, Length: < 10µm  
Lot #: F2314244  
SKU #: **C397438**  
Analysis: **094873**

| Parameter                     | Limit Values             | Result                  |
|-------------------------------|--------------------------|-------------------------|
| Purity(with ignition residue) | >99.9(%)                 | 99.91 %                 |
| Outer Diameter                | 30-80 (nm)               | 50.00 nm                |
| Length                        | < 10 (µm)                | 6.50 µm                 |
| Specific Surface Area         | > 60 (m <sup>2</sup> /g) | 61.90 m <sup>2</sup> /g |
| Appearance(C397438color)      | Black                    | Black                   |



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QA & QC Manager