

## Certificate of Analysis

Date of Testing: 2024-11-22 17:39:58

Date of Next Testing: 2029-11-21 17:39:58

Product Name: **Carbon nanotube, multi-walled**

CAS Number: 308068-56-6

Specifications & Purity:  $\geq 99.9\%$  metals basis, Graphitized, OD: 20-30nm, Length: 5-30 $\mu$ m

Lot #: K2419332

SKU #: **C397055**

Version: **1**

Analysis #: **431661**

| Parameter             | Limit Values                  | Result                   |
|-----------------------|-------------------------------|--------------------------|
| Purity                | 99.9-100 (%)                  | 99.90 %                  |
| Outer Diameter        | 20-30 (nm)                    | 20.00 nm                 |
| Length                | 5-30 ( $\mu$ m)               | 10.00 $\mu$ m            |
| Specific Surface Area | $\geq 90$ (m <sup>2</sup> /g) | 200.00 m <sup>2</sup> /g |
| Ash                   | 0-2 (%)                       | 0.20 %                   |
| Exterior color        | Black                         | Black                    |



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