

## Certificate of Analysis

Date of Testing: 2023-05-20 16:08:04

Date of Next Testing: 2028-05-18 16:08:04

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

CAS Number: 308068-56-6

Specifications & Purity: -OH Functionalized, >95%, OD: 20-30nm, Length: 10-30µm

Lot #: E2316657

SKU #: **C139828**

**Analysis: 193451**

| Parameter             | Limit Values             | Result                   |
|-----------------------|--------------------------|--------------------------|
| Ash                   | 0-1.5 (%)                | 0.70 %                   |
| Length                | 10-30 (µm)               | 20.00 µm                 |
| Outer Diameter        | 20-30 (nm)               | 25.00 nm                 |
| Purity                | 95-100 (%)               | 98.00 %                  |
| Specific Surface Area | ≥110 (m <sup>2</sup> /g) | 110.00 m <sup>2</sup> /g |
| OH Content            | 1.7-1.8%                 | 1.71 %                   |
| Electric Conductivity | ≥100000 (µS/cm)          | 100001.00 µS/cm          |
| Exterior color        | Black                    | Black                    |



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