

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-19 14:40:12

Date of Next Testing: 2027-09-18 14:40:12

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

CAS Number: 308068-56-6

Specifications & Purity:

Lot #: I2313049

SKU #: **H493291**

Version: **1**

**Analysis #:** **278578**

Storage Temperature: Room temperature

| Parameter             | Limit Values            | Result                     |
|-----------------------|-------------------------|----------------------------|
| -OH Content           | 0.66-0.77 (wt %)        | 0.66800 wt%                |
| Specific Surface Area | ≥60 (m <sup>2</sup> /g) | 78.90000 m <sup>2</sup> /g |
| Ash                   | 0-1.5 (%)               | 1.43200 %                  |
| Outer Diameter        | 30-80 (nm)              | 78.00000 nm                |
| Length                | 0-10 (μm)               | 8.98000 μm                 |
| Purity                | 98-100 (%)              | 99.43000 %                 |
| Exterior color        | Black                   | Black                      |



John Su  
QA & QC Manager