

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-17 10:11:59

Date of Next Testing: 2026-12-16 10:11:59

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 #: L2207508

SKU #: **C140992**

Version: **0**

Analysis #: **154451**

| Parameter             | Limit Values                   | Result                      |
|-----------------------|--------------------------------|-----------------------------|
| Purity                | 95-100 (%)                     | 95.20000 %                  |
| Diameter              | 0-2 (nm)                       | 1.00000 nm                  |
| Length                | 5-30 ( $\mu$ m)                | 5.00000 $\mu$ m             |
| Ash                   | 0-5 (%)                        | 4.86000 %                   |
| Specific Surface Area | $\geq 640$ (m <sup>2</sup> /g) | 645.00000 m <sup>2</sup> /g |
| Appearance (C140992)  | black powder                   | black powder                |



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