

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-11-03 11:36:38  
Date of Next Testing: 2027-11-02 11:36:38  
Product Name: **High-purity single-walled carbon nanotubes (floating catalysis)**  
CAS Number: 308068-56-6  
Specifications & Purity:  
Lot #: J2320054  
SKU #: **C493369**  
Analysis: **292359**

| Parameter             | Limit Values                   | Result                       |
|-----------------------|--------------------------------|------------------------------|
| Purity(TGA)           | >95 (%)                        | 95.20000 %                   |
| Outer Diameter        | 1-2 (nm)                       | 1.30 nm                      |
| Length                | 5-30 ( $\mu\text{m}$ )         | 5.50 $\mu\text{m}$           |
| Specific Surface Area | >640 ( $\text{m}^2/\text{g}$ ) | 642.30 $\text{m}^2/\text{g}$ |



John Su  
QA & QC Manager