

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-08 17:35:29
Date of Next Testing: 2027-09-07 17:35:29
Product Name: **Carbon nanotube, multi-walled**
CAS Number: 308068-56-6
Specifications & Purity:
Lot #: H2329769
SKU #: **S493293**
Analysis: **263313**

| Parameter | Limit Values | Result |
|-----------------------|--------------------------------|------------------------------|
| Purity(TGA) | 98-100 (%) | 98.30000 % |
| Ash | 0-1.5 (%) | 0.82 % |
| Outer Diameter | 20-30 (nm) | 23.40 nm |
| Length | 0.5-2 (μm) | 0.72 μm |
| Specific Surface Area | >160 (m^2/g) | 165.10 m^2/g |
| -OH Content | 1.5-1.8 (%) | 1.51000 % |
| Appearance(color) | Black | Black |



John Su
QA & QC Manager