

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-01 15:50:42
Date of Next Testing: 2027-02-28 15:50:42
Product Name: **Carbon Nanotube Bundled Multi-walled**
CAS Number: 308068-56-6
Specifications & Purity: $\geq 98\%$, Outer Diameter: 10-20nm, Length: 0.5-2um
Lot #: B2322953
SKU #: **C369044**
Analysis: **027023**

Parameter	Limit Values	Result
Carbonaceous Purity(TPO Method)	98-100 (%)	99.00%
Length	0.5-2 (μm)	1.00 μm
Outer Diameter	10-20 (nm)	15.00 nm
Ash	0-1.5 (%)	1.10%
Specific Surface Area	120-180 (m^2/g)	160.00 m^2/g



John Su
QA & QC Manager