

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-20 21:46:23

Date of Next Testing: 2028-03-18 21:46:23

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

CAS Number: 308068-56-6

Specifications & Purity: >90%, outer diameter: 1-2nm, length: 1-3 μ m

Lot #: C23101003

SKU # **C488927**

Version **1**

Analysis #: **186849**

Parameter	Limit Values	Result
Specific Surface Area	>380 (m ² /g)	385.00000 m ² /g
Outer Diameter	1-2 (nm)	1.30000 nm
Length	1-3 (μ m)	2.20000 μ m
Purity(ICP)	90-100 (%)	90.30000 %
Ash	<5 (%)	4.80000 %
COOH Content	2.6-2.9 (%)	2.61000 %
Exterior color	Black	Black



John Su
QA & QC Manager