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Product Specification

Product Name:

Carbon nanotube, single-walled - (6,5) chirality, ≥95% carbon basis (≥95% as carbon nanotubes), 0.78 nm average diameter

Product Number:

773735

CAS Number:

308068-56-6



TEST	Specification
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Appearance (Color)	Black
Appearance (Form)	Powder
Residual Mass	< 5.0
Purity	≥ 95 %
Relative Purity (T1% by TGA)	
Raman Q = (1-D/G)	≥ 0.95
Ratio of Absorbances	≥ 5.5
(P2B Ratio - Peak optical absorbance at ~ 986nm compared to background absorbance consistent with approximately 40% of semiconducting tubes being (6,5) chirality)	
Particle Size	0.7 - 0.9 nm
Product of Supplier	Confirmed
CHASM ADVANCED MATERIALS	

Specification: PRD.5.ZQ5.10000031461

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.