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Product Specification

Product Name:

Carbon nanotube, single-walled – (6,5) chirality, carbon >90 %, ≥77% (carbon as SWNT), 0.7–0.9 nm diameter (by fluorescence)

Product Number:

704148

CAS Number:

308068-56-6



| TEST | Specification |
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| Purity | ≥ 77.0 % |
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| T1% (Estimate of SWNT Content by Weight (TGA)) | |
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| Residual Mass | ≤ 10.0 % |
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|-------|--|
| (TGA) | |
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| Carbon | ≥ 90.0 % |
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|-------|--|
| (TGA) | |
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| Chirality Distribution | ≥ 1.8 |
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| P2B (QC Parameter for control of chirality | |
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| distribution at 979 to 985 nm (UV-vis-NIR Spectroscopy)) | |
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| Note | Conforms |
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| Please see Technical Bulletin AL-252 for explanation of quality parameters. | |
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| Spectra available upon request. | |
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| Product of Supplier | Confirmed |
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| Chasm Advanced Materials | |
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Specification: PRD.2.ZQ5.10000029254

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.