



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-258257
Lot Number: SAMPLE
Product Name: trans- β -Apo-8'-carotenal
CAS Number: 1107-26-2
Molecular Formula: $C_{30}H_{40}O$
Molecular Weight: 416.64

Test	Specification	Result
Appearance	Blue to very dark blue and black powder or crystals or chunks	Black crystalline chunks
Assay	96.0 - 102.0 % (UV)	99.1 % (UV)
Purity (TLC)	≥ 96.0 %	100.0 %
Melting Point	137 - 141 °C	138 °C
Solubility	Red-orange to very deep red-orange and clear to very faintly turbid (< 12.5 NTU) in 1 MG/ML CHCL ₃	Very deep red and clear (<3.5 NTU) in 1 MG/ML CHCL ₃
Absorbance		109052.8 Molar absorbency index (UV)
Infrared Spectrum	Conforms to structure	Conforms
Wavelength	458 - 464 nm (UV)	460.2 nm (UV)
Loss on Drying	≤ 0.5 %	0.4 %

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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