



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-254556
Lot Number: SAMPLE
Product Name: 3',3'',5',5''-Tetrabromophenolphthalein ethyl ester
CAS Number: 1176-74-5
Molecular Formula: $C_{22}H_{14}Br_4O_4$
Molecular Weight: 661.96

Test	Specification	Result
Appearance	Orange to very dark orange and orange-brown to very dark orange-brown and red to very dark red and red-brown to very dark red-brown powder or crystals	Very dark red-brown powder
Identification (1H -NMR)	Consistent with structure	Complies
Solubility	Green/ brown-green/ olive-green to very deep green/ brown-green/ olive-green solution in tetrahydrofuran at 0.01 g/ 10 mL	Clear (< 3.5 NTU) very deep green solution in tetrahydrofuran at 0.01 g/ 10 mL
Extinction Coefficient	≥ 950 (1%/ 1 cm) (UV)	1145
Wavelength	596 - 606 nm (UV)	601.3 nm
Carbon Content	39.92%	40.29%
Hydrogen Content	2.13%	2.48%

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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