



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-208304
Lot Number: SAMPLE
Product Name: Resorufin pentyl ether
CAS Number: 87687-03-4
Molecular Formula: $C_{17}H_{17}NO_3$
Molecular Weight: 283.32

Test	Specification	Result
Appearance (Color)	Orange to Red	Red
Appearance (Form)	Powder	Powder
Identification (NMR)	Consistent with structure	Complies
Purity (HPLC)	$\geq 98.00\%$	99.50%
Purity (TLC)	$\geq 98.00\%$	99.50%
Solubility	0.95 - 1.05 mg/ml in Acetonitrile heated	1.00 mg/ml in Heating Acetonitrile heated
Solution (Color)	Orange	Dark Orange
Solution (Turbidity)	Clear	Clear
Carbon Content	71.57 - 72.57 %	72.38 %
Nitrogen Content	4.44 - 5.44 %	4.97 %
Water Content (KF)	$\geq 0.00\%$	0.71%

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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