



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-296266
Lot Number: SAMPLE
Product Name: Riboflavin Tetrabutrate
CAS Number: 752-56-7
Molecular Formula: $C_{33}H_{44}N_4O_{10}$
Molecular Weight: 656.72

Test	Specification	Result
Purity (HPLC)	$\geq 98.0\%$	99.3%
Melting Point	147.0 - 151.0 °C	149.0 °C
Solubility	Almost transparency solution in ethanol	Transparency solution in ethanol
Absorbance	≥ 0.270 (15 mg/l, ethanol, 443.0 - 447.0 nm)	0.29 (446.0 nm)
Absorbance Ratio (1)	2.47 - 2.77 (E270/E445)	2.66
Absorbance Ratio (2)	3.50 - 3.90 (E270/E350)	3.83
Absorbance Ratio (3)	0.65 - 0.75 (E350/E445)	0.69

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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