



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-215812
Lot Number: SAMPLE
Product Name: Riboflavin 5'-monophosphate sodium salt dihydrate
CAS Number: 6184-17-4
Molecular Formula: $C_{17}H_{20}N_4O_9P \cdot Na \cdot 2H_2O$
Molecular Weight: 514.36

Test	Specification	Result
Appearance	Yellow to orange-yellow crystalline powder	Complies
Identification (1H -NMR)		Consistent with structure
Identification (LCMS)		Consistent with structure
Purity (HPLC)	$\geq 80\%$	80.3%
Melting Point	250 - 258 °C	252 - 258 °C
Specific Rotation	+37 - +42°	+37°
Loss on Drying	$\leq 6.9\%$	6.5%

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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