



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-205906  
Lot Number: SAMPLE  
Product Name: Riboflavin  
CAS Number: 83-88-5  
Molecular Formula:  $C_{17}H_{20}N_4O_6$   
Molecular Weight: 376.4

Test	Specification	Result
Appearance	Yellow to orange powder	Orange Powder
Assay	$\geq 97.0\%$	99.8%
Solubility	Soluble in water or 100% ethanol; almost insoluble in acetone	Complies
Optical Rotation	$[\alpha]_{20589} = -128.0^\circ \pm 5.0^\circ$	+130.3°
Heavy Metals	$\leq 10$ ppm	< 10 ppm
Loss on Drying	$\leq 1.0\%$	0.23%
Arsenic	$\leq 3$ ppm	< 3 ppm
Mercury	$\leq 1$ ppm	< 1 ppm
Sulfated Ash	$\leq 0.5\%$	0.1%

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 [www.scbt.com](http://www.scbt.com)