



NEWAY SINOPHC TECH. LIMITED

ADD:RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI) PILOT FREE TRADE ZONE.
Email:marketing01@newayphc.com; Phone:+86-021-50350029 <https://www.newayphc.com>

Certificate of Analysis (COA)

Issue Date: 10 FEB 2026 Quality Release Date: 10 FEB 2026

Product Information

Product Name Riboflavin
Product Number RIB-20260210
Batch Number RIB-SH2026021001
Brand SIGALD
CAS Number 83-88-5
MDL Number MFCD00005981
Formula $C_{17}H_{20}N_4O_6$
Formula Weight 376.36 g/mol

Test Results

Test	Specification (USP/FCC)	Result	Unit	Test Method
Appearance	Yellow to orange-yellow crystalline powder	Yellow crystalline powder	-	Visual Inspection
Assay (on dried basis)	$\geq 98.5\%$	99.1%	%	HPLC
Loss on Drying	$\leq 1.5\%$	0.92%	%	105°C, 3 Hours
Residue on Ignition	$\leq 0.3\%$	0.18%	%	600±50°C
Heavy Metals (Pb)	≤ 5 ppm	0.7 ppm	ppm	AAS
Arsenic (As)	≤ 1 ppm	0.2 ppm	ppm	AAS
Solubility	Sparingly soluble in water	Conforms	-	Volumetric Method
Specific Rotation	+120° to +130°	+125.4°	deg	Polarimeter
Total Bacterial Count	≤ 10 CFU/g	1 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection

Certification

This batch complies with the specifications of USP and FCC standards. It is hereby certified as qualified for use.