



SPECIFICATION SHEET

Riboflavin Free Flow USP (S2680)

CAS# 83-88-5

CHARACTERISTICS

Appearance	Yellow-orange crystalline powder
Solubility	Very slightly soluble in water; practically insoluble in alcohol, chloroform and ether a saturated aqueous solution of riboflavin is neutral
Stability	Stable when stored in unopened containers at room temperature away from heat, light, and moisture

SPECIFICATIONS

Carrier/Other Ingredients	N/A	Heavy Metals	≤ 10 Parts per million
Identification	Positive	Arsenic	≤ 1 Parts per million
Particle Size	95% passes through 80 mesh	Cadmium	≤ 1 Part per million
Odor	Slight odor	Lead	≤ 1 Parts per million
Bulk density	CA 380 - 430 g/l	Mercury	≤ 0.1 Part per million
Assay	98.0% ~ 102.0%		
Specific Rotation	-115.0° to -135.0°		
Loss on Drying	≤ 1.5%		
Residue on Ignition	≤ 0.3%		
Lumiflavin	≤ 0.025 at 440nm		
Organic volatile impurities	Meets USP		

MICROBIOLOGY SPECIFICATIONS

Total Plate Count	≤ 1000 cfu/g
Yeast & Mold	≤ 100 cfu/g
Coliforms	≤ 10 cfu/g
E. Coli	Negative
Salmonella	Negative
Staph. Aureus	Negative