

Certificate of Analysis

Product Name:	Riboflavin(Vitamin B2)	Manufacture Date:	June27.2023
Batch Number:	20230627	Certificate Date:	June27 2023
Batch Quantity:	700 Kg	Expiration Date	June26.2025

Items of Test	Limits of Test	Results of Test
Appearance	Orange yellow crystalline powder	Meets
Identification	Positive	Meets
Acidity or Alkalinity	check the color of the test solution after adding the respective solutions	Meets
Lumiflavin	Absorbance of the filtrate at 440nm does not exceed 0.025 (USP);not more intense than BY6(EP/BP)	0.008; Meets
Absorbance	0.31-0.33 A373nm/A267nm 0.36-0.39 A444nm/A267nm	Meets
Particle Size	100% passes through 60 mesh sieve	Meets
Specific Rotation	between-115° and -135°	-126°(BP/EP) -119°(USP)
Loss on Drying	≤1.5%	0.003
Heavy Metals	<10ppm	Meets
Residue on Ignition	≤0.3% (USP) ≤0.1%(EP/BP)	0.001
Organic Volatile Impurities	Method IV <467>(USP)	Meets
Assay(on dried basis)	80.0%- 90.0 % (USP) 80.0%- 85.0 % (EP/BP)	85.2%(BP/EP) 90.7%(USP)

Conclusion	The product with this batch number meets all requirements of the following valid compendia when tested accordingly: EP+BP2010+USP38+USP40
Storage	Store in cool & dry place not freeze., keep away from strong light and heat
Shelf life	2 years when properly stored

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