

Certificate of Analysis

Product Name: Vitamin B2 98%

Standard:EP5/BP2008/USP40.

Origin: China

Product Name	VITAMIN B2	
Item of Test	Specification	Results
1.Appearance	Orange yellow crystalline powder	Meets
2.Identification	Positive	Meets
3.Acidity or Alkalinity	Check the color of the test solution after adding the respective solutions	Meets
4.Lumiflavin	Absorbance of the filtrate at 440nm does not exceed 0.025 (USP);not more intense than BY6(EP/BP)	0.009
5.Absorbance	0.31-0.33 A373nm/A267nm 0.36-0.39 A444nm/A267nm by Spectrophotometric analysis	0.32 0.38
6.Particla Size	95% passes through 80 mesh sieve	Meets
7.Specific Rotation	between- 115°and -135° (EP/BP/USP)	-124°(USP) -129°(BP/EP)
8.Loss on Drying	≤1.5%	0.3%
9.Heavy Metals	<10ppm	<10ppm
10.Residue on Ignition/ Sulphated Ash	≤0.3% (USP) ≤0.1%(EP/BP)	0.1%
11.Organic Volatile Impurities	Method IV <467>(USP)	Meets
12.Assay (ondried basis)	98.0%-102.0% (USP) 97.0%-103.0% (EP/BP)	98.8%(USP) 99.3%(BP/EP)
Conclusion: The product meets all requirements of EP5+BP2008+USP40.		

Vitamin B2 98% COA