

Certificate of Analysis

Product Name:	Vitamin B2-5-Phosphate (Riboflavin 5'-Phosphate Sodium)
CAS #:	130-40-5
Country of Origin:	China
Batch Number:	Varies
Manufacture Date:	Varies
Retest Date:	Varies

Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
Riboflavin (Calculation) (HPLC)	≥73%	79.2%
Riboflavin 5'-Phosphate (Calculation)	-	100.66%
Aerobic Plate Count	≤1000 cfu/g	<10 cfu/g
Coliforms	≤100 cfu/g	<10 cfu/g
<i>E. Coli</i>	Negative	Absent
<i>Staph aureus</i>	Negative	Absent
Yeast & Mold	≤100 cfu/g	<10 cfu/g
<i>Salmonella</i>	Negative	Absent
<i>Pseudo. aeruginosa</i>	Negative	Absent
Conclusion (PureBulk):	This product conforms to standards	

The following information is an indirect translation of information provided from the Manufacturer's Certificate of Analysis, and should not be used solely as an instrument for strict quality control.

ITEMS	SPECIFICATIONS	RESULTS
Appearance	Yellow to orange yellow crystalline powder	Conforms
Identification		
A. Fluorescence Test	The solution is pale greenish yellow by transmitted light, and it exhibits an intense yellowish green fluorescence by reflected light under long-wavelength UV light that disappears upon the addition of mineral acids or alkalis	Conforms
B. Reactions of Sodium Salt & Phosphates	The filtrate gives reaction of sodium and reaction of phosphate	Conforms
Related Substances		
- Free Riboflavin	≤6.0%	4.7%
- Riboflavin DiPhosphate	≤6.0%	3.1%3.3%
Inorganic Phosphate	≤1%	0.69%
Specific Optical Rotation	+37.0° ~ +42.0°	+38.2°
pH of 1.0% Solution	5.0-6.5	5.7
Lumiflavin	Absorbance is 0.025 max	0.010
Sulphated Ash	≤25.0%	20.5%
Loss on Drying	≤7.5%	5.6%
Heavy Metals (as pb)	≤10 ppm	<10 ppm
- Cadmium	≤1 ppm	0.153 ppm
- Arsenic	≤1 ppm	<0.01 ppm
- Lead	≤2 ppm	0.195 ppm
- Mercury	≤0.1 ppm	<0.005 ppm
Residual Solvents		
- Methanol	≤3000 ppm	86 ppm
- Acetonitrile	≤410 ppm	Not Detected
- Pyridine	≤200 ppm	42 ppm
Conclusion (Manufacturer):	This product conforms to USP43 standards	

Additional Information: Allergen Free || No Animal Testing || BSE/TSE Free || Gluten Free || No Nanomaterials || Preservative Free || Melamine Free || Sewer Sludge Free || Vegan/Vegetarian

GMO Statement: Non-GMO

Sterilization: Non-EtO || Non-Irradiated

Storage Conditions: Keep in sealed container under 25°C.

Keep away from strong light, heat and moisture.

Purebulk.Inc verifies that the information contained herein is true and correct to the best of our knowledge.

Verified By: Candace Gibson / Nicole Rammage

(This document was produced electronically and is valid without signature.)