

**Specification for Riboflavin 5'-Phosphate Sodium, USP,
bioCERTIFIED (TM) (RI914)**

Item Number	RI914
Item	Riboflavin 5'-Phosphate Sodium, USP, bioCERTIFIED (TM)
CAS Number	6184-17-4
Molecular Formula	C ₁₇ H ₂₀ N ₄ NaO ₉ P•2H ₂ O
Molecular Weight	514.36
MDL Number	
Synonyms	

Test	Specification	
	Min	Max
APPEARANCE		
ASSAY (DRIED BASIS)	73.0	79.0 %
SPECIFIC ROTATION, [α] _{D25}	+37.0° to +42.0°	
pH OF A 1% SOLUTION	5.0	6.5
LOSS ON DRYING		7.5 %
RESIDUE ON IGNITION		25.0 %
FREE PHOSPHATE (as PO ₄)		1 %
LUMIFLAVIN		0.025
RIBOFLAVIN DIPHOSPHATES, AS RIBOFLAVIN:		6.0% on the dried basis
FREE RIBOFLAVIN:		6.0% on the dried basis
ELEMENTAL IMPURITIES	AS REPORTED	
MICROBIAL LIMITS:		
TAMC		1000 CFU/g
TYMC		100 CFU/g
ENDOTOXINS		10 IU/g
IDENTIFICATION A	PALE GREENISH-YELLOW WITH YELLOWISH GREEN FLUORESCENCE	
IDENTIFICATION B	POSITIVE FOR SODIUM AND PHOSPHATE	
EXPIRATION DATE		
DATE OF MANUFACTURE		
MONOGRAPH EDITION		
RESIDUAL SOLVENTS	AS REPORTED	

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