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CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2025

Re-test Date: Feb 2028

Product Name: Riboflavin Phosphate Sodium

Identification:

Chemical Name: sodium (2R,3S,4S)-5-(7,8-dimethyl-2,4-dioxo-3,4-dihydrobenzo[g]pteridin-10(2H)-yl)-2,3,4-trihydroxypentyl hydrogen phosphate

Synonyms : 146-17-8 (Free Base)

CAS Number : 130-40-5

CAT Number : CP-R41005

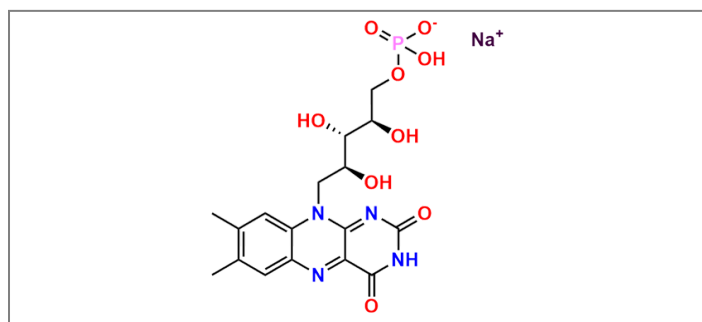
Molecular Formula : C₁₇H₂₀N₄O₉P : Na

Molecular Weight : 455.34 : 23.00

Batch Number : CP-RIB-PS-0325

Storage Condition : Tightly closed, Inert atmosphere at -20° C

Shipping condition : At low temperature with dry ice and ice pack gel



Analytical Information:

Sr. No.	Test	Result
1)	Description	Orange Solid
2)	Solubility	Soluble in Methanol/D2O
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	Peak 1- 16.56% + Peak 2-53.25% + Peak 3- 20.84% = 90.65%
5)	¹ H NMR	Confirm to structure
6)	¹³ C NMR	Confirm to Structure
7)	Weight loss by TGA	6.347%
8)	Potency by TGA	84.90%



Prepared and Reviewed By



Ms Priyanka Salunkhe
(Quality Control)

Approved By



Ms Rohini Gagare
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.