

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by TUV SUD America Inc.
 Certificate Number. 951001163

Catalogue Number	A14545
Lot Number	R23L033
Description	Riboflavin-5'-phosphate sodium salt dihydrate
CAS Number	6184-17-4
Quality Test/Release Date	27/May/2025
Suggested retest date	27/May/2035
Country of Origin	China

Result Name	Units	Specifications	Test Value
Assay from Suppliers CofA	%	≥73.0 to ≤79.0%	73.5
Appearance (Color)		Orange	Orange
Form		Powder	Powder
Identification (FTIR)		Conforms	Conforms
Impurity content	%	Riboflavin diphosphate: ≤6% (from suppliers CofA)	<6
Impurity content	%	Inorganic phosphate: ≤1.5% (from suppliers CofA)	<1
Impurity content	%	Free Riboflavin: ≤6% (from suppliers CofA)	<6
Loss on Drying	%	<10.0%	3.7
Optical Rotation	o	+36 to +43° (1.5% dry w/v, 20%w/v HCl)	+38.5



John Astarita
 Director, Quality

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.