

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-04-26 09:46:05
Date of Next Testing: 2029-04-25 09:46:05
Product Name: **Riboflavin-5'-phosphate sodium salt dihydrate**
CAS Number: 6184-17-4
Specifications & Purity: 73-79%
Lot #: D2515565
SKU #: **F107158**
Version: **0**
Analysis #: **486829**
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-10 (ppm)	0.26 ppm
Specific Rotation [α] ₂₀ /D(c=1.2 in 7 M HCl in H ₂ O)	38-43 (°)	39.35°
PH(2% in Water)	4-6.3	5.24
Loss on drying(105°C, 5hr, 700 Pa)	0-7.5 (%)	0.10 %
Riboflavin diphosphate (as Riboflavin) by HPLC (dry basis)	0-6 (%)	0.11 %
as free Riboflavin by HPLC (dry basis)	0-6 (%)	0.03 %
Purity(dry basis)(Spectrophotometry)	73-79 (%)	73.60 %
Appearance (F107158)	Yellow to Orange Powder	Yellow to Orange Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager