

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2022-02-09 12:25:40
Date of Next Testing:	2026-02-08 12:25:40
Product Name:	Riboflavin 5'-monophosphate sodium salt hydrate
CAS Number:	6184-17-4
Specifications & Purity:	73-79%
Lot #:	B2207370
SKU #	F107158
Analysis:	062724
Storage Temperature:	Store at -20°C

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-10 (ppm)	5.00 ppm
PH(2% in Water)	4-6.3	5.20
Loss on drying(105°C, 5hr, 700 Pa)	0-7.5 (%)	3.20 %
Riboflavin diphosphate (as Riboflavin) by HPLC (dry basis)	0-6 (%)	3.00 %
as free Riboflavin by HPLC (dry basis)	0-6 (%)	4.00 %
Specific Rotation [α] ₂₀ /D(c=1.2 in 7 M HCl in H ₂ O)	38-43 (°)	38.01°
Purity(dry basis)(Spectrophotometry)	73-79 (%)	78.89 %
Appearance (F107158)	Yellow to Orange Powder	Yellow to Orange Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager