

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-09-12 17:01:07  
Date of Next Testing: 2028-09-11 17:01:07  
Product Name: **Riboflavin Sodium phosphate**  
CAS Number: 130-40-5  
Specifications & Purity: USP grade  
Lot #: I2405037  
SKU #: **R106431**  
Version: **1**  
Analysis #: **069325**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
FREE RIBOFLAVIN AND RIBOFLAVIN DIPHOSPHATE	0-6 (%)	2.36 %
Ignition Residue (as sulfate)	0-25 (%)	11.45 %
Loss on drying	0-7.5 (%)	5.21 %
PH test	5-6.5	5.88
RIBOFLAVIN	73-79 (%)	75.45 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 5\text{mol/L HCl})$	37-42 (°)	37.02 °
Limit of Lumiflavin	PASS	Pass
Identification	pass	Pass
Free phosphoric acid(H <sub>3</sub> PO <sub>4</sub> )	pass	Pass
Residual solvents	complies	complies



John Su  
QA & QC Manager