

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-05-02 13:13:42  
Date of Next Testing: 2026-05-01 13:13:42  
Product Name: **Riboflavin Sodium phosphate**  
CAS Number: 130-40-5  
Specifications & Purity: USP grade  
Lot #: C2222566  
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