

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-11 16:37:56  
Date of Next Testing: 2025-09-10 16:37:56  
Product Name: **Pyridoxal 5'-phosphate hydrate**  
CAS Number: 853645-22-4  
Specifications & Purity:  $\geq 98\%$   
Lot #: K2125185  
SKU #: **P136795**  
**Analysis: 274581**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

Parameter	Limit Values	Result
Loss on drying	0-5 (%)	1.01 %
UV/Vis Absorbance(388-389nm in pH 7.0)	4.99-5.19	5.01
Purity(HPLC)	98-100 (%)	98.25300 %
Appearance (P136795)	Off-White to Yellow to Beige Powder	Off-White to Yellow to Beige Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1 M HCl , Colorless to Yellow-Green, Clear, 50 mg/ml	pass	Pass



John Su  
QA & QC Manager