

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-08-12 09:18:12  
Date of Next Testing: 2023-08-07 09:18:12  
Product Name: **5-Phospho-D-ribose 1-diphosphate pentasodium salt**  
CAS Number: 108321-05-7  
Specifications & Purity:  $\geq 75\%$   
Lot #: G2230385  
SKU #: **P111888**  
**Analysis:** **117734**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

Parameter	Limit Values	Result
Sodium(anhydrous basis) by ICP	18-26 (%)	19.00%
Water by Karl Fischer	0-18 (%)	12.00%
Solvent content (GC)	0-4 (%)	3.00%
Enzymatic Purity(Dry Basis)	75-100 (%)	80.10%
Appearance (P111888)	White Powder and Chunks	White Powder and Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless to Yellow, Clear to Slightly Hazy(50mg/ml)	pass	Pass



John Su  
QA & QC Manager