

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-31 11:26:02  
 Date of Next Testing: 2028-07-30 11:26:02  
 Product Name: **Phosphocreatine disodium salt hydrate**  
 CAS Number: 922-32-7(anhydrate)  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: G2529195  
 SKU #: **P168254**  
 Version: **0**  
 Analysis #: **549669**  
 Storage Temperature: Store at  $-20^{\circ}\text{C}$

| Parameter                                                                               | Limit Values          | Result                |
|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|
| Purity(Titration by $\text{HClO}_4$ )                                                   | 96.5-103.5 (%)        | 99.16900 %            |
| Water by Karl Fischer                                                                   | 22-28 (%)             | 27.42200 %            |
| Sodium (Na)(anhydrous)                                                                  | 16.1-19.9 (%)         | 18.30000 %            |
| Appearance (P168254)                                                                    | White powder          | White powder          |
| Infrared spectrum                                                                       | Conforms to Structure | Conforms to Structure |
| Proton NMR spectrum                                                                     | Conforms to Structure | Conforms to Structure |
| Solubility in $\text{H}_2\text{O}$ , Colorless ,Clear ,50 mg/mL in $\text{H}_2\text{O}$ | pass                  | Pass                  |



John Su  
QA & QC Manager