

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-02-29 15:39:44  
 Date of Next Testing: 2027-02-28 15:39:44  
 Product Name: **Choline Glycerophosphate**  
 CAS Number: 28319-77-9  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: B2423627  
 SKU #: **C192516**  
 Version: **0**  
 Analysis #: **316001**  
 Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

| Parameter                                                        | Limit Values              | Result                |
|------------------------------------------------------------------|---------------------------|-----------------------|
| Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$ | -2.95--2.4 ( $^{\circ}$ ) | -2.67600 $^{\circ}$   |
| Purity(HPLC)                                                     | 98-100 (%)                | 99.84400 %            |
| Appearance (C192516)                                             | White powder              | White powder          |
| Proton NMR spectrum                                              | Conforms to Structure     | Conforms to Structure |



John Su  
QA & QC Manager