

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2021-12-23 14:24:24

Date of Next Testing: 2024-12-22 14:24:24

Product Name: **Choline Glycerophosphate**

CAS Number: 28319-77-9

Specifications & Purity: $\geq 98\%$

Lot #: L2121642

SKU #: **C192516**

Version: **0**

Analysis #: **049532**

Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$	-2.95--2.4 ($^{\circ}$)	-2.53500 $^{\circ}$
Purity(HPLC)	98-100 (%)	98.44400 %
Appearance (C192516)	White powder	White powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager