

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-06 17:11:18  
 Date of Next Testing: 2025-06-05 17:11:18  
 Product Name: **2-Chloro-3-methoxypropionic Acid**  
 CAS Number: 2544-05-0  
 Specifications & Purity:  $\geq 98\%$ (GC)  
 Lot #: E23291402  
 SKU #: **C133763**  
 Version: **1**  
 Analysis #: **217301**  
 Storage Temperature: Protected from light, Room temperature

| Parameter                           | Limit Values                           | Result                                 |
|-------------------------------------|----------------------------------------|----------------------------------------|
| Purity(GC)                          | 98-100 (%)                             | 98.70000 %                             |
| Purity(Neutralization titration)    | 98-100 (%)                             | 99.50000 %                             |
| Refractive index n <sub>20</sub> /D | 1.451-1.454                            | 1.45230                                |
| Appearance(C133763)                 | Colorless to Light yellow clear liquid | Colorless to Light yellow clear liquid |
| Proton NMR spectrum                 | Conforms to Structure                  | Conforms to Structure                  |



John Su  
QA & QC Manager