

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-08 09:02:03
Date of Next Testing: 2025-11-07 09:02:03
Product Name: (S)-(-)-(3-Chloro-2-hydroxypropyl)trimethylammonium chloride
CAS Number: 101396-91-2
Specifications & Purity: 99%
Lot #: K2204558
SKU #: I165411
Analysis: 139610
Storage Temperature: Room temperature

| Parameter | Limit Values | Result |
|-------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------|
| Specific Rotation [α] _{25/D} (c=1%, H ₂ O) | -31--27 (°) | -29.20000 ° |
| Purity(HPLC area) | 99-100 (%) | 99.30 % |
| Appearance(I165411) | White to off-white Powder or Crystal or Chunks | White to Off-White Powder or Crystal or Chunks |
| NMR Spectrum 1H | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager