

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-11 08:51:54  
 Date of Next Testing: 2027-12-11 08:51:54  
 Product Name: (S)-1-(4-Chlorophenyl)ethanol  
 CAS Number: 99528-42-4  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: B2217023  
 SKU #: S196166  
 Version: 0  
 Analysis #: 446936  
 Storage Temperature: Room temperature

| Parameter                                                  | Limit Values               | Result                     |
|------------------------------------------------------------|----------------------------|----------------------------|
| Purity(GC)                                                 | 97-100 (%)                 | 97.60000 %                 |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in CHCL}_3)$ | -52--44 (°)                | -49.70000 °                |
| Appearance (S196166)                                       | Colorless to Yellow Liquid | Colorless to Yellow Liquid |
| Proton NMR spectrum                                        | Conforms to Structure      | Conforms to Structure      |



John Su  
QA & QC Manager