

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-25 17:32:17  
 Date of Next Testing: 2028-11-24 17:32:17  
 Product Name: **Thujone ( $\alpha$ - and  $\beta$ - mixture)**  
 CAS Number: 1125-12-8  
 Specifications & Purity:  $\geq 70\%$ (GC)  
 Lot #: K2421584  
 SKU #: **T162657**  
 Version: **0**  
 Analysis #: **354193**  
 Storage Temperature: Store at 2-8°C

| Parameter                                        | Limit Values                               | Result                                     |
|--------------------------------------------------|--------------------------------------------|--------------------------------------------|
| Specific Rotation [a] <sub>D</sub> <sup>20</sup> | -18--12 (°)                                | -15.00000 °                                |
| Purity(GC)(total of isomers)                     | 70-100 (%)                                 | 82.90000 %                                 |
| Appearance (T162657)                             | colorless to light orange to yellow liquid | colorless to light orange to yellow liquid |
| Proton NMR spectrum                              | Conforms to Structure                      | Conforms to Structure                      |



John Su  
QA & QC Manager