

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-17 09:41:21  
 Date of Next Testing: 2027-06-16 09:41:21  
 Product Name: **(-)-10,2-Camphorsultam**  
 CAS Number: 94594-90-8  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: F2314405  
 SKU #: **C196219**  
 Version: **1**  
 Analysis #: **105263**  
 Storage Temperature: Room temperature

| Parameter                                                  | Limit Values               | Result                     |
|------------------------------------------------------------|----------------------------|----------------------------|
| Melting point                                              | 182-186 (°C)               | 183.93000 °C               |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in CHCL}_3)$ | -32--30 (°)                | -30.77600 °                |
| Purity(GC)                                                 | 98-100 (%)                 | 98.96600 %                 |
| Appearance (C196219)                                       | white to light grey powder | white to light grey powder |
| Proton NMR spectrum                                        | Conforms to structure      | Conforms to Structure      |



John Su  
QA & QC Manager