

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-03-04 11:36:40  
 Date of Next Testing: 2027-02-22 11:36:40  
 Product Name: **1,5-Cyclooctadiene(COD)**  
 CAS Number: 111-78-4  
 Specifications & Purity:  $\geq 99\%$ , contains 50-150 ppm TBC as stabilizer  
 Lot #: I2118218  
 SKU # **C103217**  
 Version **0**  
 Analysis #: **477491**  
 Storage Temperature: Protected from light, Room temperature, Argon charged

| Parameter                          | Limit Values                    | Result                          |
|------------------------------------|---------------------------------|---------------------------------|
| Density (20°C)                     | 0.88-0.885                      | 0.88170                         |
| Refractive index n <sub>20/D</sub> | 1.492-1.495                     | 1.49300                         |
| Stabilizer                         | 50-150 (ppm)                    | 100.00000 ppm                   |
| Purity(GC)                         | 99-100 (%)                      | 99.21700 %                      |
| Appearance (C103217)               | Colorless to pale yellow liquid | colorless to pale yellow liquid |
| Proton NMR spectrum                | Conforms to Structure           | Conforms to Structure           |



John Su  
QA & QC Manager