

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-12 14:32:10  
 Date of Next Testing: 2028-12-11 14:32:10  
 Product Name: **1,4-Butanesultone**  
 CAS Number: 1633-83-6  
 Specifications & Purity:  $\geq 99\%$ (GC)  
 Lot #: L2405265  
 SKU #: **B152091**  
 Version: **1**  
 Analysis #: **440809**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                          | Limit Values                    | Result                          |
|------------------------------------|---------------------------------|---------------------------------|
| Refractive index n <sub>20/D</sub> | 1.462-1.465                     | 1.46350                         |
| Purity(GC)                         | 99-100 (%)                      | 99.89100 %                      |
| Appearance (B152091)               | Colorless Liquid or White Solid | colorless liquid or white solid |
| Proton NMR spectrum                | Conforms to Structure           | Conforms to Structure           |



John Su  
QA & QC Manager