

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-14 14:00:43  
Date of Next Testing: 2026-11-13 14:00:43  
Product Name: **1,4-Butanesultone**  
CAS Number: 1633-83-6  
Specifications & Purity:  $\geq 99\%$ (GC)  
Lot #: K2211347  
SKU #: **B152091**  
Version: **1**  
Analysis #: **155336**  
Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.462-1.465	1.46410
Density (20°C)	1.336-1.339	1.33800
Purity(GC)	99-100 (%)	99.76100 %
Appearance (B152091)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager