

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-11 08:19:31

Date of Next Testing: 2027-04-10 08:19:31

Product Name: **(R)-1,2-Butanediol**

CAS Number: 40348-66-1

Specifications & Purity: $\geq 98\%$ (GC)

Lot #: D23062095

SKU #: **R160952**

Version: **0**

Analysis #: **169918**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.436-1.44	1.43860
Purity(GC)	98-100 (%)	98.04600 %
Specific Rotation [α] ₂₀ /D(c=3 in EtOH)	15-18 (°)	15.02600 °
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager