

Certificate of Analysis

Date of Testing: 2024-04-28 15:01:26

Date of Next Testing: 2028-04-27 15:01:26

Product Name: **(R)-(-)-1,3-Butanediol**

CAS Number: 6290-03-5

Specifications & Purity: >98.0%(GC)

Lot #: D2423293

SKU # **R160960**

Analysis: **335937**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.74 %
Specific Rotation [α] ₂₀ /D(c=1 in EtOH)	-32--25 (°)	-28.45 °
Refractive index n ₂₀ /D	1.439-1.441	1.44
Appearance (R160960)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager