

## Certificate of Analysis

Date of Testing: 2024-12-04 18:19:58  
Date of Next Testing: 2028-12-03 18:19:58  
Product Name: **n-Butanol**  
CAS Number: 71-36-3  
Specifications & Purity:  $\geq 99.5\%$ (GC)  
Lot #: K2429567  
SKU #: **B111577**  
Version: **1**  
Analysis #: **439674**  
Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.398-1.402	1.40
Color scale	0-5 (APHA)	0.00 APHA
Water by Karl Fischer	0-0.1 (%)	0.04 %
Purity(GC)	99.5-100 (%)	99.75 %
Evaporation Residue	0-0.005 (%)	0.00 %
Appearance (B111577)	Colorless Liquid	Colorless liquid
Filt. over 0.2 micron	PFTE	PFTE
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager