

## Certificate of Analysis

Date of Testing: 2023-11-30 11:18:40  
Date of Next Testing: 2027-11-29 11:18:40  
Product Name: **n-Butanol**  
CAS Number: 71-36-3  
Specifications & Purity: >99.5%(GC)  
Lot #: K2328168  
SKU #: **B111577**  
**Analysis:** **297445**  
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)	5.00 APHA
Water by Karl Fischer	0-0.1 (%)	0.04 %
Purity(GC)	99.5-100 (%)	99.78 %
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