

## Certificate of Analysis

Date of Testing: 2023-08-10 14:39:18

Date of Next Testing: 2027-08-09 14:39:18

Product Name: **n-Butanol**

CAS Number: 71-36-3

Specifications & Purity: ACS,  $\geq 99.4\%$

Lot #: H2301167

SKU #: **B111578**

**Analysis:** **254072**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.398-1.4	1.40
Water by Karl Fischer	0-0.1 (%)	0.02 %
Purity(GC)	99.4-100 (%)	99.89 %
Titration Acid	0-0.0008 (mg/g)	0.00 mg/g
Evaporation Residue	0-0.005 (%)	0.00 %
Color scale	0-10 (APHA)	5.00 APHA
Carbonyl compounds(as butyraldehyde)	0-0.01 (%)	0.00 %
Butyl ether	0-0.2 (%)	0.00 %
Appearance (B111578)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager