

## Certificate of Analysis

Date of Testing:	2024-11-12 19:04:15
Date of Next Testing:	2028-11-11 19:04:15
Product Name:	<b>n-Butanol</b>
CAS Number:	71-36-3
Specifications & Purity:	Chromatographic grade, ≥99.7%(GC)
Lot #:	K2411166
SKU #	<b>B111575</b>
Version	<b>1</b>
Analysis #:	<b>422627</b>
Storage Temperature:	Argon charged,Desiccated

Parameter	Limit Values	Result
UV Absorbance 220nm	0-0.7	0.26
Refractive index n <sub>20</sub> /D	1.398-1.4	1.40
UV Absorbance 225nm	0-0.5	0.18
Purity(GC)	99.7-100 (%)	99.90%
Evaporation Residue	0-2 (mg/L)	0.00 mg/L
UV Absorbance 235nm	0-0.1	0.10
free acid (as C <sub>3</sub> H <sub>7</sub> COOH)	0-0.002 (%)	0.00%
UV Absorbance 400nm	0-0.01	0.00
Water by Karl Fischer	0-0.1 (%)	0.02%
UV Absorbance 240nm	0-0.1	0.07
UV Absorbance 260nm	0-0.04	0.04
UV Absorbance 210nm	0-1	0.69
UV Absorbance 280nm	0-0.01	0.01
Appearance (B111575)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager