

Certificate of Analysis

Date of Testing: 2023-12-11 17:07:36
 Date of Next Testing: 2027-12-10 17:07:36
 Product Name: **n-Butanol**
 CAS Number: 71-36-3
 Specifications & Purity: for HPLC, $\geq 99.7\%$ (GC)
 Lot #: L2305181
 SKU #: **B111575**
Analysis: **297639**
 Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
UV Absorbance 220nm	0-0.7	0.25
Refractive index n ₂₀ /D	1.398-1.4	1.40
UV Absorbance 280nm	0-0.01	0.00
UV Absorbance 225nm	0-0.5	0.15
Purity(GC)	99.7-100 (%)	99.87%
Evaporation Residue	0-2 (mg/L)	0.00 mg/L
UV Absorbance 235nm	0-0.1	0.06
free acid (as C ₃ H ₇ COOH)	0-0.002 (%)	0.00%
UV Absorbance 400nm	0-0.01	0.00
Water by Karl Fischer	0-0.1 (%)	0.00%
UV Absorbance 240nm	0-0.1	0.04
UV Absorbance 260nm	0-0.04	0.01
UV Absorbance 210nm	0-1	0.74
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". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager