

## Certificate of Analysis

Date of Testing: 2024-07-24 15:51:04  
Date of Next Testing: 2028-07-23 15:51:04  
Product Name: **n-Butanol**  
CAS Number: 71-36-3  
Specifications & Purity: spectrographic grade,99.5%  
Lot #: G2419040  
SKU #: **B111581**  
Version: **1**  
Analysis #: **394689**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
UV Absorbance 260nm	0-0.04	0.00
UV Absorbance 240nm	0-0.1	0.03
Purity(GC)	99.5-100 (%)	99.75 %
UV Absorbance 220nm	0-1	0.32
UV Absorbance 400nm	0-0.01	0.00
Refractive index n <sub>20</sub> /D	1.398-1.4	1.40
Water by Karl Fischer	0-0.1 (%)	0.01 %
UV Absorbance 225nm	0-0.5	0.18
UV Absorbance 280nm	0-0.01	0.00
Color Test	0-10	8.00
Evaporation Residue	0-0.0005 (%)	0.00 %
Appearance (B111581)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
λ, H <sub>2</sub> O reference	Pass	Pass



ALADDIN SCIENTIFIC CORPORATION

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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