

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-02 16:30:46  
Date of Next Testing: 2028-07-01 16:30:46  
Product Name: **n-Butanol**  
CAS Number: 71-36-3  
Specifications & Purity: reagent grade,98%  
Lot #: F2428382  
SKU #: **B111573**  
Version: **2**  
Analysis #: **379946**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Evaporation Residue	0-0.005 (%)	0.00 %
Iron(Fe)	0-0.0001 (%)	0.00 %
Esters(As CH <sub>3</sub> COOC <sub>4</sub> H <sub>9</sub> )	0-0.3 (%)	0.00 %
Color Test	0-15	0.00
Assay(GC)	98-100 (%)	99.72400 %
Density (20°C)	0.808-0.811 (g/ml)	0.81 g/ml
Unsaturated compounds(Br)	0-0.05 (%)	0.01 %
Carbonyl compounds (As CO)	0-0.04 (%)	0.00000 %
Acidity(as H <sup>+</sup> )	0-0.0015 (mmol/g)	0.00 mmol/g
Readily carbonizable substance	pass	Pass
Appearance(B111573)	Colorless Clear Liquid	Colorless clear liquid



John Su  
QA & QC Manager