

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-14 15:15:47

Date of Next Testing: 2028-10-13 15:15:47

Product Name: **n-Butanol**

CAS Number: 71-36-3

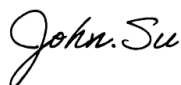
Specifications & Purity: ACS, $\geq 99.4\%$

Lot #: J2408016

SKU #: **B111578**Version: **1**Analysis #: **414388**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.398-1.4	1.40
Water by Karl Fischer	0-0.1 (%)	0.04 %
Purity(GC)	99.4-100 (%)	99.67 %
Evaporation Residue	0-0.005 (%)	0.00 %
Color scale	0-10 (APHA)	0.00 APHA
Butyl ether	0-0.2 (%)	0.00 %
Titration Acid	0-0.0008 (meq/g)	0.00000 meq/g
Carbonyl compounds(as butyraldehyde)	0-0.01 (%)	0.01 %
Appearance (B111578)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure

John Su
QA & QC Manager