

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-10 16:55:10  
Date of Next Testing: 2028-12-09 16:55:10  
Product Name: **n-Butanol**  
CAS Number: 71-36-3  
Specifications & Purity: Premium-Grade Reagents,  $\geq 99\%$   
Lot #: L2406812  
SKU #: **B111571**  
Version: **4**  
Analysis #: **428092**  
Storage Temperature: Room temperature, Desiccated

| Parameter   | Limit Values           | Result                 |
|---|------------------------|------------------------|
| Color test (APHA)   | 0-10 (APHA)            | 0.00 APHA              |
| Density (20°C)  | 0.808-0.811 (g/ml)     | 0.81 g/ml              |
| Iron(Fe)  | 0-0.5 (ppm)            | 0.00 ppm               |
| Esers(As CH <sub>3</sub> COOC <sub>4</sub> H <sub>9</sub> ) | 0-0.1 (%)              | 0.00 %                 |
| Evaporation Residue   | 0-0.001 (%)            | 0.00 %                 |
| Water by Karl Fischer                                       | 0-0.2 (%)              | 0.02 %                 |
| Assay(GC)   | 99-100 (%)             | 99.75200 %             |
| Unsaturated compounds(Br)                                   | 0-0.005 (%)            | 0.01 %                 |
| Appearance (B111571)  | Colorless Clear Liquid | Colorless clear liquid |
| Readily carbonizable substance                              | pass                   | Pass                   |



John Su  
QA & QC Manager