

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **1-Butanol**
Specifications & Purity: **Guaranteed Reagent**
SKU #: **B400251**

| Parameter | Limit Values |
|--|--------------------|
| Appearance (B400251) | Colorless Liquid |
| Assay (C ₄ H ₁₀ O) | 99.8-100 (%) |
| Density (20°C) | 0.808-0.811 (g/ml) |
| Evaporation Residue | 0-0.001 (%) |
| Water by Karl Fischer | 0-0.1 (%) |
| Acidity(as H ⁺) | ≤0.0005 (mmol/g) |
| Carbonyl compounds (As CO) | ≤0.02 (%) |
| Esters(As CH ₃ COOC ₄ H ₉) | ≤0.1 (%) |
| Unsaturated compounds(Br) | ≤0.005 (%) |
| Iron(Fe) | 0-0.00005 (%) |
| Readily carbonizable substance | pass |
| Refractive index n ₂₀ /D | 1.3980 - 1.4000 |
| Chloride (Cl ⁻) | 0-0.35 (%) |
| Sulfate(SO ₄ ²⁻) | 0-0.04 (%) |
| Ignition Residue (as sulfate) | 0-0.1 (%) |
| pH(50g/L solution , 25°C) | 4.0-7.0 |
| Salicylic acid(HOC ₆ H ₄ (OOH) | 0-0.1 (%) |
| Color test (APHA) | 0-10 |