

Certificate of Analysis

SIGMA-ALDRICH

Product Name Butyl acetate,
ACS reagent, $\geq 99.5\%$
Product Number 402842
Product Brand SIGALD
CAS Number [123-86-4](#)
Molecular Formula $\text{CH}_3\text{COO}(\text{CH}_2)_3\text{CH}_3$
Molecular Weight 116.16
Storage Temp room temp

TEST

Appearance (Color)

Appearance (Form)

Infrared spectrum

Purity (GC)

GC Identified Peak

Water (by Karl Fischer)

Residue on Evaporation

Color Test

**Substances Darkened (by
H₂SO₄)**

Titratable acid

Meets ACS Requirements

Specification Date:

Date of QC Release:

Print Date:

SPECIFICATION

Colorless

Liquid

Conforms to Structure

$\geq 99.50\%$

$\leq 0.2\%$

N-Butyl Alcohol

$\leq 0.1\%$

$\leq 0.001\%$

≤ 10 APHA

Pass

≤ 0.0016 MEQ/g

Current ACS Specification
10th Edition

LOT 09496AM RESULTS

Colorless

Liquid

Conforms

99.91 %

$< 0.1\%$

$< 0.1\%$

$< 0.001\%$

< 5 APHA

Pass

0.0001 MEQ/g

Conforms

OCT 2009

JAN 2010

JAN 06 2010



Jeff Becker, Senior Chemist
Quality Control
Sheboygan Falls, Wisconsin, USA