

# Certificate of Analysis

**n-Butyl Alcohol, ACS Reagent Grade**

**Lot Number:** 2001711

**Product Number:** R1651000

**Date Packaged:** JAN 06, 2020

**Recommended Retest Date:** DEC 2024

**Contains**

CH<sub>3</sub>(CH<sub>2</sub>)<sub>3</sub>OH CAS No. 71-36-3 MW 74.12

Test	Specification	Result
Assay	min 99.4 %	100.0 %
Butyl Ether (C <sub>8</sub> H <sub>18</sub> O)	max 0.2 %	0.01 %
Carbonyl Compounds (as Butyraldehyde)	max 0.01 %	0.01 %
Color (APHA)	max 10	1
Residue after evaporation (Non-Volatile Matter)	max 0.005 %	0 %
Titration Acid	max 0.0008 meq/g	0.0002 meq/g
Water (H <sub>2</sub> O)	max 0.1 %	0.02 %

Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document traceability and production history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
R1651000-4A	4 L natural poly	60 months

**Recommended Storage:** 15°C - 30°C (59°F - 86°F)



Chris Collins (01/06/2020)

Quality Control Supervisor

This document is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

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