

1-Butanol
PHOTREX® Reagent
For Spectrophotometry
(butyl alcohol)



Material No.: 9189-01
Batch No.: 22G2161016
Manufactured Date: 2022-08-01
Expiration Date: 2024-07-29
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (CH ₃ CH ₂ CH ₂ CH ₂ OH) (by GC, corrected for water)	≥ 99.4 %	99.9 %
ACS - Color (APHA)	≤ 10	< 5
ACS - Residue after Evaporation	≤ 0.0005 %	< 0.0001 %
ACS - Titrable Acid (µeq/g)	≤ 0.8	0.1
ACS - Butyl Ether (C ₈ H ₁₈ O)(by GC)	≤ 0.2 %	< 0.1 %
Carbonyl Compounds - Butyraldehyde	≤ 0.01 %	< 0.01 %
Water (by KF, coulometric)	≤ 0.05 %	0.03 %
Ultraviolet Absorbance (1.00-cm cell vs. water) - 400-300 nm	≤ 0.01	< 0.01
Ultraviolet Absorbance (1.00-cm cell vs. water) - 280 nm	≤ 0.02	< 0.01
Ultraviolet Absorbance (1.00-cm cell vs. water) - 260 nm	≤ 0.04	0.01
Ultraviolet Absorbance (1.00-cm cell vs. water) - 240 nm	≤ 0.10	0.02
Ultraviolet Absorbance (1.00-cm cell vs. water) - 220 nm	≤ 0.50	0.24
Ultraviolet Absorbance (1.00-cm cell vs. water) - 215 nm	≤ 1.00	0.40

For Laboratory, Research, or Manufacturing Use
Product Information (not specifications):
Boiling Point (typical)..... 117.7 °C.
Windows of Infrared Transmittance (0.1-mm path, 50-100% T), µm:
2.0 - 2.8 ; 4.3 - 6.0

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality