

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



Material No.: 9189-01
Batch No.: 0000275974
Manufactured Date: 2021/03/04
Expiration Date: 2023/03/02
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS – Assay (CH ₃ CH ₂ CH ₂ CH ₂ OH) (by GC, corrected for water)	>= 99.4 %	100.0
ACS – Color (APHA)	<= 10	5
ACS – Residue after Evaporation	<= 0.0005 %	0.0001
ACS – Titrable Acid (µeq/g)	<= 0.8	0.3
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 %	< 0.01
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	0.12
Ultraviolet Absorbance (1.00-cm cell vs. water) – 215 nm	<= 1.00	0.20

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

Material No.: 9189-01
Batch No.: 0000275974

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



Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700