

Dimethylformamide
PHOTREX® Reagent
For Spectrophotometry

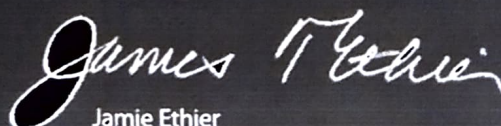


Material No.: 9222-01
Batch No.: 22B2361015
Manufactured Date: 2021-02-18
Retest Date: 2026-02-17
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($\text{HCON}(\text{CH}_3)_2$) (by GC, corrected for water)	$\geq 99.8 \%$	100.0 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 15	< 5
Residue after Evaporation	$\leq 0.0005 \%$	0.0002 %
Titration Acid (meq/g)	≤ 0.0005	0.0001
Titration Base (meq/g)	≤ 0.003	0.001
Water (H_2O)(by Karl Fischer titrn)	$\leq 0.05 \%$	< 0.01 %
Trace Impurities - Iron (Fe)	$\leq 0.1 \text{ ppm}$	< 0.1 ppm
Optical Absorbance (1-cm path vs water) - 270 nm	≤ 1.00	0.54
Optical Absorbance (1-cm path vs water) - 275 nm	≤ 0.30	0.21
Optical Absorbance (1-cm path vs water) - 295 nm	≤ 0.10	0.06
Optical Absorbance (1-cm path vs water) - 310 nm	≤ 0.05	0.03
Optical Absorbance (1-cm path vs water) - 340 nm	≤ 0.01	0.01
Optical Absorbance (1-cm path vs water) - 400 nm	≤ 0.01	< 0.01

For Laboratory, Research, or Manufacturing Use
Product Information (not specifications):
Windows of Infrared Transmittance (0.1-mm path, 50-100% T), μm :
2.5 - 3.0; 3.8 - 5.1; 5.2 - 5.5; 10.3 - 11.4; 11.7 - 14.7
Boiling Point (typical)..... 153.0 °C.
Density (g/mL) at 25 °C (typical)..... 0.944
Country of Origin: USA
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
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