



Dimethylformamide

PHOTREX[®] Reagent
For Spectrophotometry

Product No. 9222
Lot No. L16B22
Release Date 04/18/2012

Certificate of Analysis

TEST	SPECIFICATION	RESULT
Meets A.C.S. Specifications		
Assay (HCON(CH ₃) ₂) (by GC, corrected for water)	99.8 % min.	100.0 %
Appearance	Passes Test	Passes Test
Color (APHA)	15 max.	10
Residue after Evaporation	0.0005 % max.	< 0.0001 %
Titration Acid (meq/g)	0.0005 max.	0.0001
Titration Base (meq/g)	0.003 max.	0.0004
Water (H ₂ O)(by Karl Fischer titrn)	0.05 % max.	0.02 %
Trace Impurities (in ppm):		
Iron (Fe)	0.1 max.	< 0.05
Optical Absorbance (1-cm path vs water):		
270 nm	1.00 max.	0.42
275 nm	0.30 max.	0.18
295 nm	0.10 max.	0.05
310 nm	0.05 max.	0.02
340 nm	0.01 max.	0.003
400 nm	0.01 max.	< 0.002
Product Information (not specifications):		
Windows of Infrared Transmittance (0.1-mm path, 50-100% T), um:		
	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	
For Laboratory, Research or Manufacturing Use		
Country of Origin:	USA	



Phillipsburg, NJ 9001.2008, 14001.2004
Paris, KY 9001.2008
Mexico City, Mexico 9001.2008
Deventer, The Netherlands 9001.2008, 14001.2004, 13485.2003
Selangor, Malaysia 9001.2008
Panaji, India 9001.2008
Gliwice, Poland 9001.2008, 17025.2005

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For questions on this Certificate of Analysis please contact Technical Services at 855-282-6867 or 610-573-2600

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