



Toluene

PHOTREX[®] Reagent
For Spectrophotometry and Liquid
Scintillation Counting

Product No. 9456
Lot No. L03B19
Release Date 01/18/2012

Certificate of Analysis

TEST	SPECIFICATION	RESULT
Meets A.C.S. Specifications		
Assay (C ₆ H ₅ CH ₃) (by GC)	99.5 % min.	100.0 %
Color (APHA)	5 max.	5
Residue after Evaporation	0.0005 % max.	< 0.0001 %
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Sulfur Compounds (as S)	0.003 % max.	< 0.0005 %
Water (by KF, coulometric)	0.02 % max.	0.02 %
Optical Absorbance (1-cm path vs water):		
350-400nm	0.01 max.	0.005
335 nm	0.02 max.	0.01
310 nm	0.05 max.	0.04
300 nm	0.10 max.	0.09
293 nm	0.20 max.	0.17
288 nm	0.50 max.	0.30
286 nm	1.00 max.	0.45
Counting Efficiency for ³ H in Prepared " Information Only % 110 %		
Product Information (not specifications):		
Boiling Point (typical)	110.6 °C.	
Windows of Infrared Transmittance (0.1-mm path, 50-100% T), um:		
	2.5 - 3.2	
	3.6 - 5.1	
	5.2 - 5.4	
	5.6 - 6.1	
	7.4 - 8.4	
	8.6 - 9.0	
	9.9 - 11.1	
	11.3 - 12.7	
	12.9 - 13.2	
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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