

CERTIFICATE OF ANALYSIS
TOLUENE
REAGENT GRADE ACS/ HISTOLOGY/LAB GRADE

Lot # C16E09BLK-0000TOL
 QC # WO123850
 Date of Manufacture: 05/09/16
 Retest Date: Five Years from Date of Manufacture
 Main Catalog #: 347000000, zp347000000
 Alternate Catalog #: 347000ACS, 347000LAB, 347000HIS, zc3470000CP

PRODUCT SPECIFICATIONS	LIMITS	RESULT
Assay (GC), min	99.7%	99.92%
Color (APHA), max	10	5
Appearance	Clear	Pass
Res. After Evap, max	10 ppm	1 ppm
Substance Darkened by H ₂ SO ₄	To Pass	Pass
Sulfur Comp. (as S) max	0.003%	<0.003%
Water, max	0.03%	0.01%
Boiling Range w/in 2.0C, inc. 110.6C +/-0.1C	To Pass	Pass
Refractive Index @ 25C	To Pass	Pass
Benzene	0.03%	<0.01%
C8 Aromatics	Per lot	0.02
Non-Aromatics	Per lot	0.05
Specific Gravity 60/60F	0.869-0.873	0.871

Form: Toluene, ACS, #101, Rev. 2.5, 01/15, JMP

Approved by: J. Estes, Quality Control Chemist

Disclaimer: For Industrial/Lab use only. Not intended as a Drug Substance, Medical Device or Disinfectant.
 Appropriate/legal use of this product is the responsibility of the user. (Rev. # disclaimer only, rev 3.6, 07/15, PD)