



**PRODUCT SPECIFICATION SHEET**  
**TOLUENE**  
**GENERAL USE HPLC / UV-REAGENT GRADE ACS**

Catalog # / Product Code: 347000HPLC

Available in the following sizes:

4x1 gallon Fluorinated Poly, 4x4 liter Amber Glass

Product Specifications	Limits	Typical Lot Analysis
Assay (GC), min.	99.7%	99.97%
Color (APHA), max.	10	5
Appearance	Clear	Clear
Res. After evap., max.	10	< 10 ppm
Subst. Dark. by H <sub>2</sub> SO <sub>4</sub>	To Pass	Pass
Sulfur Com. (as S), max.	0.003%	< 0.001%
Water, max.	0.03%	0.015%
Refractive Index @ 25 C	To Pass	1.4925
Benzene	0.03%	< 1 ppm
C8 Aromatics	Per Lot	0.009%
Non - Aromatics	Per Lot	0.0226 %
Specific Gravity 60/60F	0.869-0.873	0.8719
UV Absorbance (ACS)		
@ 286 nm	1.00	Pass
@ 288 nm	0.50	Pass
@ 293 nm	0.20	Pass
@ 300 nm	0.100	Pass
@ 310 nm	0.050	Pass
@ 335 nm	0.02	Pass
@ 350 nm	0.01	Pass
@ 400 nm	0.01	Pass
Boiling Range w/in 2.0C, inc. 110.6C +/-0.1C	To Pass	Pass

Form: Toluene, HPLC, #301, Rev. 2.0, 09/01


*This document has been electronically generated and is therefore not signed. A signed copy can be obtained from Pharmco's Quality Control office.*

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FOR INDUSTRIAL OR LAB USE ONLY. Not intended as an active substance in Food or Drug. Not to be considered a Medical Device. Not intended for use as a Disinfectant as defined by the EPA. The expiration date of this product is three years from the date of manufacture. (Rev. # Disclaimer only: Rev 2.0 11/19/01 PJM)

Shipping Name:  
**Toluene**  
Hazard Class: 3  
UN: 1204  
PG: II  
**TOLUENE CAS NO. 108-88-3**

LOT NO:  
BATCH NO:



**pharmco**  
THE  
PRODUCTS INC  
58 VALE ROAD, BROOKFIELD, CONNECTICUT 06804 USA  
PHONE (203) 740-3471 FAX (203) 740-3481



**FLAMMABLE LIQUID**

CHEMTREC NO. 1-800-424-9300

**3**

**Toluene**  
General Use HPLC-UV Grade  
UV - Reagent Grade ACS


CATALOG NUMBERS:  
36700HPLC  
36700ACS

4 x 4 liter glass or  
4 x 1 gallon poly

Product Specifications	Limits	Typical Lot Analysis
Assay (GC), min	99.7%	99.97%
Color (APHA), max	10	5
Appearance	clear	clear
Res. after evap., max	10	+10 ppm
Subst. dark. by H2SO4	N/A	pass
Sulfur Con. (as S), max	0.001%	+ 0.001%
Water, max	0.01%	0.010%
Refractive Index @ 20C	To Pass	1.4920
Benzene	0.01%	+ 1 ppm
CS Aromatics	Per Lot	0.000%
Non-Aromatics	Per Lot	0.000%
Specific Gravity @20C	0.869-0.873	0.8719
UV Absorbance (ACS)		
@ 280	1.00	pass
@ 290	0.00	pass
@ 300	0.20	pass
@ 310	0.100	pass
@ 320	0.050	pass
@ 330	0.02	pass
@ 340	0.01	pass
@ 400	0.01	pass
Diluting Range with 2.0C, vol.		
1:10.00 to 1:100	to pass	pass

This product is manufactured by Positive HPLC Analysis and meets the requirements for General Use HPLC Grade, ACS Specifications. This product is not intended for GC or other HPLC analysis. See Glass Purified Glass Distilled Grade for these applications.  
Rev. 01/01/01      Toluene HPLC-UV Grade ACS

**DISTRIBUTED BY:**



FOR INDUSTRIAL OR LAB USE ONLY. Not intended as an active substance in Food or Drug. Not to be considered a Medical Device. Not intended for use as a Disinfectant as defined by the EPA. \*

**DANGER: FLAMMABLE LIQUID & VAPOR.** Keep away from all sources of ignition. Heavier Gases Can Result in Injury or Death! Wear all recommended protection equipment. Refer to MSDS for additional information. \*

**STORAGE AND HANDLING:** Keep in a cool, dry place. Do not expose to direct sunlight. Use only with proper personal protection equipment and ventilation. Refer to MSDS for additional information. \*

**FIRST AID: SEEK IMMEDIATE MEDICAL ATTENTION. REFER TO MSDS FOR APPROPRIATE FIRST AID FOR THIS CHEMICAL. \***

**NEVER TO BE USED PRIOR TO USE.** Use Only Under Appropriate Conditions. Use Only Under Trained Supervision. \*

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