

TO0085 Toluene, Multisolvant® HPLC grade ACS ISO UV-VIS



assay (G.C.) min. 99,9 %
 identity (IR-spectrum) passes test
 density (20°/4°) 0,864 - 0,868
 density (20°/20°) 0,865 - 0,869
 appearance clear
 colour (Hazen) max. 10
 acidity max. 0,0002 meq/g
 alkalinity max. 0,0002 meq/g
 chlorides (Cl) max. 0,00005 %
 sulfates (SO₄) max. 0,0001 %
 aluminium (Al) max. 0,1 ppm
 antimony (Sb) max. 0,02 ppm
 arsenic (As) max. 0,02 ppm
 barium (Ba) max. 0,01 ppm
 beryllium (Be) max. 0,02 ppm
 bismuth (Bi) max. 0,1 ppm
 boron (B) max. 0,02 ppm
 cadmium (Cd) max. 0,01 ppm
 calcium (Ca) max. 0,3 ppm
 chromium (Cr) max. 0,02 ppm
 cobalt (Co) max. 0,02 ppm
 copper (Cu) max. 0,02 ppm
 gallium (Ga) max. 0,02 ppm
 gold (Au) max. 0,1 ppm
 indium (In) max. 0,02 ppm
 iron (Fe) max. 0,1 ppm
 lead (Pb) max. 0,1 ppm
 lithium (Li) max. 0,02 ppm
 magnesium (Mg) max. 0,1 ppm

manganese (Mn) max. 0,01 ppm
 molybdenum (Mo) max. 0,05 ppm
 nickel (Ni) max. 0,02 ppm
 platinum (Pt) max. 0,02 ppm
 silver (Ag) max. 0,02 ppm
 thallium (Tl) max. 0,05 ppm
 tin (Sn) max. 0,1 ppm
 titanium (Ti) max. 0,05 ppm
 vanadium (V) max. 0,05 ppm
 zinc (Zn) max. 0,01 ppm
 zirconium (Zr) max. 0,02 ppm
 benzene (G.C.) max. 0,05 %
 sulfur compounds (as S) max. 0,003 %
 thiophene (C₄H₄S) max. 0,0001 %
 substances darkened by H₂SO₄ passes test
 residue on evaporation max. 0,0002 %
 water (K.F.) max. 0,02 %
 liquid chromatography suitability
 absorbance passes test
 min. transmission/max. absorbance in a 1,0 cm cell
 at wavelength T (%) A (AU)
 285 nm 10 % 1,000 AU
 292 nm 50 % 0,301 AU
 305 nm 80 % 0,097 AU
 317 nm 90 % 0,046 AU
 350 nm 98 % 0,009 AU
 Microfiltered through membranes of pore diameter
 0,22 µm

ART. NO.	VOLUME	CONTAINER
TO00851000	1 l	0
TO00852500	2,5 l	0
TO00854000	4 l	0
TO0085007E	7 l	0
TO0085020S	20 l	0
TO0085025S	25 l	0

TO0077 Toluene, HPLC grade



assay (G.C.) min. 99,8 %
 identity (IR-spectrum) passes test
 density (20°/4°) 0,864 - 0,868
 acidity max. 0,0005 meq/g
 residue on evaporation max. 0,0003 %
 alkalinity max. 0,0002 meq/g
 water (K.F.) max. 0,03 %

min. transmission/max. absorbance in a 1,0 cm cell
 at wavelength T (%) A (AU)
 287 nm 20 % 0,699 AU
 290 nm 50 % 0,301 AU
 310 nm 90 % 0,046 AU
 Microfiltered through membranes of pore diameter
 0,22 µm

ART. NO.	VOLUME	CONTAINER
TO00771000	1 l	0
TO00772500	2,5 l	0

TO0081 Toluene, for GC residue analysis



assay (G.C.) min. 99,8 %
 identity (IR-spectrum) passes test
 density (20°/4°) 0,864 - 0,868
 residue on evaporation max. 0,0001 %
 water (K.F.) max. 0,02 %

Suitable for organohalogenated pesticide and
 dioxins, furans and PCBs residue analysis. ECD,
 from 1,2,4-trichlorobenzene to decachlorobiphenyl,
 no peaks are obtained greater than 3 µg/ml as
 lindane. No peaks are obtained in vicinity of
 2,4,5-trichlorobiphenyl.

ART. NO.	VOLUME	CONTAINER
TO00811000	1 l	0
TO00814000	4 l	0
TO00812500	2,5 l	0

TO0082 Toluene, GC ultra-trace analysis grade



assay (G.C.) min. 99,8 %
 identity (IR-spectrum) passes test
 density (20°/4°) 0,864 - 0,868
 residue on evaporation max. 0,0001 %
 water (K.F.) max. 0,02 %
 Suitable for organohalogenated pesticide and
 dioxins, furans and PCBs residue analysis. ECD, from
 1,2,4-trichlorobenzene to decachlorobiphenyl, no
 peaks are obtained greater than 2 µg/ml as lindane.

No peaks are obtained in vicinity of
 2,4,5-trichlorobiphenyl. Suitable for highly volatile
 halogenated hydrocarbons trace analysis. ECD,
 from dichloromethane to 1,2,4-trichlorobenzene,
 no peaks are obtained greater than 1 ng/ml as
 tetrachloromethane.
 Suitable for pesticide and polycyclic aromatic
 hydrocarbons residue analysis. FID, from 1-octanol
 to 1-tetradecanol, no peaks are obtained greater than
 2 ng/ml as 1-tetradecanol. No peaks are obtained in
 vicinity of pyrene.

ART. NO.	VOLUME	CONTAINER
TO00821000	1 l	0
TO00822500	2,5 l	0

TO0068 Toluene, GC-MS



assay (G.C.) min. 99,8 %
 colour (Hazen) max. 10
 identity (IR-spectrum) passes test
 residue on evaporation max. 3 ppm
 water (K.F.) max. 0,05 %

GC/MSD (retention range n-undecane to
 n-tetracontane, scanning area 30 - 600 amu, individual
 signals
 (n- tetradecane standard)) max. 3,0 ng/ml (ppb)
 Suitable for residue analysis

ART. NO.	VOLUME	CONTAINER
TO00681000	1 l	0
TO00682500	2,5 l	0

TO0069 Toluene, standard substance for GC



assay 99,8%
 over ramp 60°C, 6°C/min 160°C, 20°C/min 220°C
 identity IR

ART. NO.	VOLUME	CONTAINER
TO00690005	5 ml	0