

## 32249 Toluene Puriss. p.a., ACS Reagent, Reag. ISO, Reag. Ph. Eur., ≥99.7% (GC)

### Specyfikacja:

Property	Value
APPEARANCE (COLOR)	Colorless
RESIDUE (EVAPORATION)	0 - 0.001 %
MISCELLANEOUS TESTS	THIOPHENE ≤ 0.0001 %
ALUMINIUM (ICP)	0 - 0.5 ppm
BARIUM (ICP)	0 - 0.1 ppm
BISMUTH (ICP)	0 - 0.1 ppm
CALCIUM (ICP)	0 - 0.5 ppm
CADMIUM (ICP)	0 - 0.05 ppm
COBALT (ICP)	0 - 0.02 ppm
CHROMIUM (ICP)	0 - 0.02 ppm
COPPER (ICP)	0 - 0.02 ppm
APPEARANCE (FORM)	Liquid
IRON (ICP)	0 - 0.1 ppm
POTASSIUM (ICP)	0 - 0.5 ppm
LITHIUM (ICP)	0 - 0.1 ppm
MAGNESIUM (ICP)	0 - 0.1 ppm
MANGANESE (ICP)	0 - 0.02 ppm
MOLYBDENUM (ICP)	0 - 0.1 ppm
SODIUM (ICP)	0 - 0.5 ppm
NICKEL (ICP)	0 - 0.02 ppm
LEAD (ICP)	0 - 0.1 ppm
TIN (ICP)	0 - 0.1 ppm
COLOR (IN APHA)	0 - 10 APHA
STRONTIUM (ICP)	0 - 0.1 ppm
ZINC (ICP)	0 - 0.1 ppm
SULFUR COMPOUNDS	≤ 0.003 % (AS S)
SUBSTANCES DARK BY H <sub>2</sub> SO <sub>4</sub>	PASSES TEST
RECOMMENDED RETEST PERIOD	42 MONTHS
TITRATABLE ACID	FREE ACID: ≤ 0.001 % (AS HCL)
TITRATABLE BASE	FREE ALKALI: ≤ 0.001 % (AS NAOH)
PURITY (GC AREA %)	99.7 - 100 % rel
DENSITY	0.865 - 0.869 AT 20 DEG C
REFRACTIVE INDEX N <sub>20</sub> /D	1.496 - 1.498
WATER (COULOMETR.)	0 - 0.02 %

### Właściwości fizyczne:

Property	Value
Vapor pressure	22 mmHg ( 20 °C)
Cation traces	Cu: ≤0.02 ppm
Impurities	≤0.001% non-volatile matter
Mp	-93 °C(lit.)
Autoignition temp.	997 °F
Expl. lim.	7 %
Refractive index	n <sub>20</sub> /D 1.496-1.498
Bp	110-111 °C(lit.)
Grade	ACS reagent, reag. ISO, reag. Ph. Eur.

Vapor density	3.2 (vs air)
Assay	≥99.7% (GC)
Density	0.867 g/cm <sup>3</sup>
Color	APHA: ≤10
Boiling point	110.6 °C
Freezing point	-95 °C

**Informacje dot. bezpieczeństwa:**

<b>Property</b>	<b>Value</b>
Flashpoint	4 °C
Hazard Class	3
Package Group	II
UN ID	1294