



# Standard Analysis Certificate

**PRODUCT** :TOLUENE RPE-ACS-ISO - Reag. Ph.Eur. - Reag. USP  
**CODE** :488550  
**METHOD** :6606

TEST	U.M.	SPECIFICATION
Description	-	Clear colourless liquid
Colour (APHA)	-	<=10
Identification (I.R.)	-	Positive
Alcohol miscibility	-	Complete
Chloroform miscibility	-	Complete
Diethyl ether miscibility	-	Complete
Ready carbonizable substances	-	Conform
Density at 20° C	-	0.865 ÷ 0.869
Refractive index at 20°C	-	1.4931 ÷ 1.4991
Boiling point	° C	110.1 ÷ 111.1
Water (K.F.)	ppm	<=150
Residue on evaporation	ppm	<=10
Acidity (benzoic acid)	ppm	<=14
Alcalinity (NH <sub>3</sub> )	ppm	<=2
Benzene	%	<= 0.02
Tiophene	ppm	<=1
Total sulphur	ppm	<=3
Al	ppm	<=0.5
B	ppm	<=0.01
Ba	ppm	<=0.1
Ca	ppm	<=0.5
Cd	ppm	<=0.01
Co	ppm	<=0.01
Cr	ppm	<=0.01
Cu	ppm	<=0.01
Fe	ppm	<=0.05
Mg	ppm	<=0.1
Mn	ppm	<=0.01
Ni	ppm	<=0.01
Pb	ppm	<=0.01
Sn	ppm	<=0.1
Zn	ppm	<=0.01
Assay (GLC)	%	>=99.8
Styrene	ppm	<= 10
Ethyl benzene + xylene	ppm	<= 500

Date

:08/06/2019