

Standard Analysis Certificate

PRODUCT : Ethanol Absolu Anhydre RPE ACS Pour analyse Reag. Ph.Eur. - Reag. USP
CODE : 414600
METHOD : 6587

TEST	U.M.	SPECIFICATION
Description	-	Clear colourless liquid
Colour	APHA	<= 10
Identification (I.R.)	-	Positive
Water miscibility	-	Complete
Density at 20°C	-	0.7893 ÷ 0.7899
Density at 20°C	Ph.Eur.	0.790 ÷ 0.793
Boiling point	°C	78.3 ÷ 78.8
Refractive index at 20°C	-	1.3602 ÷ 1.3622
Water (K.F.)	%	<= 0.1
Residue on evaporation	ppm	<= 10
Substances darkened by H2SO4	-	Conform
Acidity (acetic acid)	ppm	<= 10
Alcalinity (NH3)	ppm	<= 1
Isopropyl alcohol	ppm	<= 30
Methyl alcohol	ppm	<= 50
Benzene	ppm(v/v)	<= 2
Carbonyl compounds (CO)	ppm	<= 5
Acetal + acetaldehyde	ppm(v/v)	<= 10
Subs. reducing KMnO4	ppm	<= 3
Heavy metals (Pb)	ppm	<= 1
Absorbance UV (5cm, ref. water)	-	Conform
Assay (CPG)	%	>= 99.9
Assay (alcoholometric) at 20°C	%v/v	>= 99.9
Volatil impurities	-	Conform
Al	ppm	<= 0.5
B	ppm	<= 0.02
Ba	ppm	<= 0.1
Ca	ppm	<= 0.5
Cd	ppm	<= 0.05
Co	ppm	<= 0.02
Cr	ppm	<= 0.02
Cu	ppm	<= 0.02
Fe	ppm	<= 0.1
Mg	ppm	<= 0.1
Mn	ppm	<= 0.02
Ni	ppm	<= 0.02
Pb	ppm	<= 0.1
Sn	ppm	<= 0.1
Zn	ppm	<= 0.1

Conform to the R1 Eur Ph reagent grade

Date

:11/01/2020

QUALITY CONTROL RESPONSIBLE

B. COULANGE (VDR)