

Technical Specification

PRODUCT : Ethanol absolute anhydrous RPE For analysis ACS Reag. Ph.Eur. - Reag. USP

CODE : 414600

MOLECULAR WEIGHT :46,07

CAS N° : 64-17-5

FORMULA : C₂H₅OH

TEST	U.M.	SPECIFICATION
Description	-	Clear colourless liquid
Colour	APHA	<= 10
Identification (I.R.)	-	Positive
Water miscibility	-	Conform
Density d ₂₀ /20	-	0.790 - 0.793
Density at 20°C	-	0.790 - 0.793
Residue on evaporation	ppm	<= 10
Boiling point	°C	~ 78
Refractive index at 20°C	-	1.3602 - 1.3622
Water (K.F.)	%	<= 0.1
Subst. darkened by H ₂ SO ₄	-	Conform
Acidity	ppm	<= 10
Alcalinity	ppm	<= 1
2-Propanol	ppm	<= 30
Methanol	ppm	<= 50
Benzene	ppm (V/V)	<= 2
Carbonyl compounds (as CO)	ppm	<= 5
Acetal + acetaldehyde	ppm (V/V)	<= 10
Subs. reducing KMnO ₄	ppm	<= 3
Heavy metals (as Pb)	ppm	<= 1
UV Absorbance (5cm, ref. w ater)	-	Conform
Assay (GC)	%	>= 99.9
Assay (alcohometric) at 20°C	% (V/V)	>= 99.9
Volatile 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

It is under the customer responsibility to make sure the purchased product is suitable for his use and/or application.
 CARLO ERBA Reagents would not be guilty of any misuse or mishandling of any of its products, occurring potential damages or user hurts in case of in