

# Technical Specification

**PRODUCT : Propan-2-ol ERBApharm According to pharmacopoeia : Ph.Eur.-USP-Ph.Franc.-BP**

**CODE : 309500**

**MOLECULAR WEIGHT :60,1**

**CAS N° : 67-63-0**

**FORMULA : CH<sub>3</sub>CHOHCH<sub>3</sub>**

TEST	U.M.	SPECIFICATION
Description	-	Clear colourless liquid
Identification (I.R.)	-	Positive
Appearance of solution	Ph.Eur.	Clear colourless*
Acidity or alkalinity (ml NaOH 0,01M)	mL	<= 0.6*
Acidity (ml NaOH 0,020N)	mL	<= 0.70*
Peroxide (as H <sub>2</sub> O <sub>2</sub> )	Ph.Eur.	Conform
Density d <sub>20</sub> /20	-	0.785 - 0.789*
Density d <sub>25</sub> /25	-	0.783 - 0.787*
Refractive index at 20°C	-	1.376 - 1.378
Water (K.F.)	% (w/w)	<= 0.1
Non volatile substances	ppm	<= 20
Assay (GC)	%	>= 99.9
Benzene and related compounds	Ph.Eur.	-
Benzene	ppm (Ph.Eur.)	<= 2
Related compounds (total of impurities apart from 2-butanol) (GC)	%	<= 0.3
Limit of volatile impurities	USP-NF	Conform*
Limit of methanol (Identification C)	% (V/V)	<= 0.02*
Individual know impurity	% (V/V)	<= 0.1*
Individual unspecified impurity	% (V/V)	<= 0.1*
Total impurities (GC)	% (V/V)	<= 1.0*
UV Absorbance	Ph.Eur.	-
at 230 nm	AU	<= 0.30
at 250 nm	AU	<= 0.10
at 270 nm	AU	<= 0.03
at 290 nm	AU	<= 0.02
at 310 nm	AU	<= 0.01
UV Absorbance curve from 230 to 310 nm	Ph.Eur.	Curve with no observable peaks or shoulders
Origin (BSE/TSE)	-	Synthesis
Residual solvents (Current ICH)	-	Conform*

This batch has been released by authorized personnel

\* Parameters marked with \* are tested periodically

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