

Technical Specification

PRODUCT : Propan-2-ol RS For HPLC Isocratic grade ACS Reag.Ph.Eur - Reag.USP

CODE : 412821

MOLECULAR WEIGHT :60,1

CAS N° : 67-63-0

FORMULA : CH₃CHOHCH₃

TEST	U.M.	SPECIFICATION
Appearance of solution	Ph.Eur.	Clear liquid
Identification (I.R.)	-	Positive
Colour	APHA	<= 10
Water solubility	-	Passes test
Alcohol miscibility	-	Passes test
Water miscibility	-	Conform
Boiling point	°C	82.05 - 82.55
Density at 20°C	-	0.784 - 0.786
Refractive index at 20°C	-	1.3766 - 1.3786
Carbonyl compounds (as CO)	ppm	<= 20
Residue after evaporation	ppm	<= 5
Water (K.F.)	ppm	<= 500
Acidity or alcalinity	meq/g	<= 0.0001
Assay (GC)	%	>= 99.9
UV Absorbance (ACS-USP)	-	-
at 210 nm	AU	<= 1.00
at 220 nm	AU	<= 0.40
at 230 nm	AU	<= 0.20
at 245 nm	AU	<= 0.08
at 260 nm	AU	<= 0.04
at 275 nm	AU	<= 0.03
at 300 nm	AU	<= 0.02
from 400 to 330 nm	AU	<= 0.01
UV Transmittance	-	-
at 210 nm	%	>= 30
at 220 nm	%	>= 55
at 230 nm	%	>= 79
at 250 nm	%	>= 95
at 260 nm	%	>= 98

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