

**ANALYSIS CERTIFICATE**

**CODE: 651090**

**BATCH: 0001262552**

**PRODUCT: 2-Propanol (USP, BP, Ph. Eur.) pure, pharma grade**

**ISSUE DATE: 22/11/2017**

**RETEST DATE: 11/2023**

<b>SPECIFICATIONS</b>	<b>GUARANTEE VALUE</b>	<b>ACTUAL VALUE</b>
Minimum assay (G.C.)	99,5%	99,9%
Identity according to Pharmacopoeias:	passes test	Passes test
Density 20/20	0,785-0,789	0,787
Density 25/25	0,783-0,787	0,786
Refractive index n 20/D	1,376-1,378	1,378
<b>Maximum limit of impurities</b>		
ABS 230 nm	0,3 UA	<0,3 UA
ABS 250 nm	0,1 UA	<0,1 UA
ABS 270 nm	0,03 UA	<0,03 UA
ABS 290 nm	0,02 UA	<0,02 UA
ABS 310 nm	0,01 UA	<0,01 UA
Appearance	passes test	Passes test
Acidity and alkalinity	passes test	Passes test
Non-volatile matter	0,002 %	0,0002 %
Peroxides	passes test	Passes test
Related substances	0,3 %	<0,3 %
Residual solvents (Ph.Eur/USP)	passes test	Passes test
Benzene	0,0002%	<0,0002%
Ethanol (G.C.)	0,05%	<0,05%
<b>Volatile impurities (G.C.):</b>		
Individual impurity	0,1 %	<0,1 %
Total impurities	1,0 %	<1,0 %
Water (H2O)	0,5 %	0,01 %
Cu	0,00002 %	<0,00002 %
Fe	0,00005 %	<0,00005 %
Ni	0,00002 %	<0,00002 %
Pb	0,00002 %	<0,00002 %

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Quality Assurance Director  
Director de Garantía Calidad  
**P. Verge**

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