

**ANALYSIS CERTIFICATE**

**CODE: 141007**

**BATCH: 0001117683**

**PRODUCT: Acetone (USP, BP, Ph. Eur.) pure, pharma grade**

**ISSUE DATE: 19/05/2017**

**RETEST DATE: 05/2023**

<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 25/25	<= 0,789	< 0,789
Density 20/20	0,790-0,793	0,790
<b>Maximum limit of impurities</b>		
Appearance of solution	passes test	Passes test
Acidity	passes test	Passes test
Alkalinity	passes test	Passes test
Insoluble matter in H2O	passes test	Passes test
Non-volatile matter	0,004 %	0,0002 %
Reducing substances to KMnO4	passes test	Passes test
<b>Related substances (G.C.)</b>		
Residual solvents (Ph.Eur/USP)	passes test	Passes test
Methanol	0,05 %	<0,05 %
2-Propanol	0,05 %	<0,05 %
Benzene	0,0002 %	<0,0002 %
Other impurities	0,05 %	<0,05 %
Ethanol (G.C.)	500 ppm	<500 ppm
Water (H2O)	0,3 %	0,04 %
<b>Residual metals ICP: (according to EMEA/CHMP/SWP/4446/2000)</b>		
Class 1A (Pt, Pd)	10 ppm	<10 ppm
Class 1B (Ir, Rh, Ru, Os)	10 ppm	<10 ppm
Class 1C (Mo, Ni, Cr, V)	25 ppm	<25 ppm
Class 2 (Cu, Mn)	250 ppm	<250 ppm
Class 3 (Fe, Zn)	1.300 ppm	<1.300 ppm

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Quality Assurance Director  
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**P. Verge**

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