

ANALYSIS CERTIFICATE

CODE: 141007

BATCH: 0001269506

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

ISSUE DATE: 05/12/2017

RETEST DATE: 12/2023

SPECIFICATIONS	GUARANTEE VALUE	ACTUAL VALUE
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	0,792
Maximum limit of impurities		
Appearance of solution	passes test	Passes test
Acidity	passes test	Passes test
Alkalinity	passes test	Passes test
Insoluble matter in H ₂ O	passes test	Passes test
Non-volatile matter	0,004 %	0,0002 %
Reducing substances to KMnO ₄	passes test	Passes test
Related substances (G.C.)		
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 (H ₂ O)	0,3 %	0,03 %
Elemental impurities (ICH Q3D):		
Class 1		
Cd	0,5 ppm	<0,5 ppm
Pb	0,5 ppm	<0,5 ppm
As	1,5 ppm	<1,5 ppm
Hg	1,5 ppm	<1,5 ppm
Class 2A		
Co	5 ppm	<5 ppm
V	10 ppm	<10 ppm
Ni	20 ppm	<20 ppm
Class 2B		
Tl	0,8 ppm	<0,8 ppm
Au	10 ppm	<10 ppm
Pd	10 ppm	<10 ppm
Ir	10 ppm	<10 ppm
Os	10 ppm	<10 ppm
Rh	10 ppm	<10 ppm
Ru	10 ppm	<10 ppm
Se	15 ppm	<15 ppm
Ag	15 ppm	<15 ppm
Pt	10 ppm	<10 ppm
Class 3		
Li	55 ppm	<55 ppm
Sb	120 ppm	<120 ppm
Ba	140 ppm	<140 ppm
Mo	25 ppm	<25 ppm
Cu	250 ppm	<250 ppm
Sn	600 ppm	<600 ppm
Cr	25 ppm	<25 ppm

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