

ANALYSIS CERTIFICATE

CODE: 141007

BATCH: 0001490837

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

ISSUE DATE: 03/08/2018

RETEST DATE: 07/2024

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	0,785
Density 20/20	0,790-0,793	0,790
Maximum limit of impurities		
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
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 (H2O)	0,3 %	0,04 %
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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