

ANALYSIS CERTIFICATE

CODE: 141037

BATCH: 0000984962

PRODUCT: Nitric Acid 69% (USP-NF, BP, Ph. Eur.) pure, pharma grade

ISSUE DATE: 24/11/2016

RETEST DATE: 11/2022

SPECIFICATIONS	GUARANTEE VALUE	ACTUAL VALUE
Assay (Acidim.)	69,0-70,0 %	69,4 %
Identity according to Pharmacopoeias:	passes test	Passes test
Maximum limit of impurities		
Appearance of solution	passes test	Passes test
Residue on ignition (as SO ₄)	0,0005 %	0,0004 %
Chloride (Cl)	0,00005%	<0,00005%
Sulphate (SO ₄)	0,0001%	<0,0001%
Clarity and colour	passes test	Passes test
Residual solvents (Ph.Eur/USP)	passes test	Passes test
Heavy metals (as Pb)	0,00002%	<0,00002%
Residual metals ICP: (according to EMEA/CHMP/SWP/4446/2000)		
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 (Zn)	1.300 ppm	<1.300 ppm
As	0,000001 %	<0,000001 %
Cd	0,00005 %	<0,00005 %
Fe	0,00002 %	<0,00002 %
Hg	0,00015 %	<0,00015 %
Pb	0,00002 %	<0,00002 %

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