

ANALYSIS CERTIFICATE

CODE: 141058

BATCH: 0001129763

PRODUCT: Sulfuric Acid 95-98% (USP-NF, BP, Ph. Eur.) pure, pharma grade

ISSUE DATE: 12/06/2017

RETEST DATE: 06/2023

SPECIFICATIONS	GUARANTEE VALUE	ACTUAL VALUE
Assay (Acidim.)	95,0-98,0 %	96,3 %
Identity according to Pharmacopoeias:	passes test	Passes test
Maximum limit of impurities		
Appearance of solution	passes test	Passes test
Reducing substances to KMnO ₄	passes test	Passes test
Residue on ignition	0,002 %	0,0005 %
Chloride (Cl)	0,001%	<0,001%
Ammonium (NH ₄)	0,001%	<0,001%
Residual solvents (Ph.Eur/USP)	passes test	Passes test
Nitrate	passes test	Passes test
Heavy metals (as Pb)	0,0005%	<0,0005%
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 (Fe, Zn)	1.300 ppm	<1.300 ppm
As	0,0001 %	<0,0001 %
Cd	0,00005 %	<0,00005 %
Fe	0,0025 %	<0,0025 %
Hg	0,00015 %	<0,00015 %
Pb	0,00005 %	<0,00005 %

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