

ANALYSIS CERTIFICATE

CODE: **141362**

BATCH: 0002389326

PRODUCT: **Iron(II) Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade**

ISSUE DATE: 15/11/2023

RETEST DATE: 11/2027

SPECIFICATIONS	GUARANTEE VALUE	ACTUAL VALUE
Assay (Cerim.)	99,5-104,5 %	100,4%
Identity according to Pharmacopoeias:	passes test	passes test
pH of 5% solution	3,0-4,0	3,4
Maximum limit of impurities		
Appearance of solution	passes test	passes test
Insoluble matter in H ₂ O	0,01 %	<0,01 %
Chloride (Cl)	0,02%	<0,02%
Phosphate (PO ₄)	0,003 %	<0,003 %
Residual solvents (Ph.Eur/USP)	passes test	passes test
Fe(III)	0,3%	<0,3%
As	0,00015 %	<0,00015 %
Cr	0,0025 %	<0,0025 %
Cu	0,005 %	<0,005 %
Hg	0,00015 %	<0,00015 %
Mg	0,025 %	<0,025 %
Mn	0,1 %	<0,1 %
Ni	0,002 %	<0,002 %
Pb	0,00005 %	<0,00005 %
Zn	0,005 %	<0,005 %
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	50 ppm	<50 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	50 ppm	<50 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	50 ppm	<50 ppm
Sn	600 ppm	<600 ppm
Cr	25 ppm	<25 ppm

You must not use if it is recovered by yellow-brownish Ferric Sulphate, Basic
This product could get lumpy

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