

ANALYSIS CERTIFICATE

CODE: **141362**

BATCH: 0002682108

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

ISSUE DATE: 19/03/2025

RETEST DATE: 03/2029

| SPECIFICATIONS                        | GUARANTEE VALUE | ACTUAL VALUE |
|---------------------------------------|-----------------|--------------|
| Assay (Cerim.)                        | 99,5-104,5 %    | 100,8 %      |
| Identity according to Pharmacopoeias: | passes test     | passes test  |
| pH of 5% solution                     | 3,0-4,0         | 3,2          |
| Maximum limit of impurities           |                 |              |
| Appearance of solution                | passes test     | passes test  |
| Insoluble matter in H <sub>2</sub> O  | 0,01 %          | <0,01 %      |
| Chloride (Cl)                         | 0,02%           | <0,02%       |
| Phosphate (PO <sub>4</sub> )          | 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

*This product could get lumpy*



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**METAPHARMACEUTICAL**  
INDUSTRIAL SLU

30 APR 2025

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