

Kódja: SOP-15-7



## PRODUCT SPECIFICATION

Date of issue: May 2023

### 1. IDENTIFICATION OF THE PRODUCT

Chemical or technical denomination: Ferrous (II) Fumarate

Manufacturer / supplier: FerroPharma Chemicals Ltd.

13 Erdősor Street

H – 6766 Dóc

Hungary

Phone and Fax: 00-36-62-570-010

E – Mail: [info@ferropharma.hu](mailto:info@ferropharma.hu); [csanad.meszáros@ferropharma.hu](mailto:csanad.meszáros@ferropharma.hu)



GENERICHEM CORP

[www.generichem.com](http://www.generichem.com)  
[info@generichem.com](mailto:info@generichem.com)

CAS Number: 141-01-05

EINECS Number: 205-447-7

### 3. PHYSICAL AND CHEMICAL PROPERTIES

Molecular formula:  $C_4H_2FeO_4$

Molecular weight: 169.90

Physical form: very fine powder

Appearance: from reddish-orange to reddish-brown with no odour and no taste

Density: 2.435 g /  $cm^3$

Melting point: 152 Celsius

Flash point: 456 Celsius

Solubility: slightly soluble in water, very slightly soluble in ethanol (96 per cent)

Particle size: max. 200  $\mu$  / 74 mesh

### 2. INFORMATION ON COMPOSITION

	Limit of effective USP	Method	Analysis is performed by
Identification A	Pass test	effective USP	Balint Analytics Ltd.
Identification B	Pass test	effective USP	Balint Analytics Ltd.
Assay	97.0-101.0 % on the dried basis	effective USP	Ferropharma Chemicals Ltd.
Ferric ion ( $Fe^{3+}$ )	NMT 2 %	effective USP	Ferropharma Chemicals Ltd.
Loss on drying	NMT 1.5 %	effective USP	Ferropharma Chemicals Ltd.
Sulfate	NMT 0.2 %	effective USP	Ferropharma Chemicals Ltd.
Arsenic	NMT 3 ppm	ICP-MS (EPA 6020)	Balint Analytics Ltd.
Mercury	NMT 3 ppm	ICP-MS (EPA 6020)	Balint Analytics Ltd.
Lead	NMT 10 ppm	ICP-MS (EPA 6020)	Balint Analytics Ltd.

NMT = not more than    LT = less than

**Microbiological contaminants:** 1 batch is tested per month and according to the request of the costumers.

### 3. STABILITY AND REACTIVITY

Chemical stability: Stable at normal handling and storage conditions.

Expiry date: maximum 3 years from the manufacturing date.

### 4. HANDLING AND STORAGE

Keep on dry place in original packaging (fiber drum 50 kg, carton box 25 kg, bag 25 kg and big-bag 1000 kg).

Prepared by:

QC manager

**ELFOGADVA  
APPROVED**

Approved by:

QA manager