



CERTIFICATE OF ANALYSIS

Name of the product: Ferrous Fumarate

Manufacturing Site: FerroPharma Chemicals Ltd, Erdősor 13., Dóc, 6766, Hungary

Lot number: 2021/75

Date of manufacturing: MAR 3, 2021

Date of expiration: MAR 3, 2024



Serial number	Name of test	Unit of meas.	Limit USP	Limit FCC VII.	Test method	Test result
9.01.	Description: Fine reddish orange to reddish brown power				Complies to current version of USP	Complies
9.02.	Solution: Slightly soluble in water, very slightly soluble in alcohol					Complies
9.03.	Characteristic odor: Odorless					Complies
9.04.	Identification	A	Pass test	Pass test		Pass test
9.05.	Identification	B	Pass test	Pass test		Pass test
9.06.	Residual Solvent					Negative
9.07.	Assay	%	97.0-101.0	97.0-101.0		97.6
9.08.	Ferric Ion (Fe ³⁺)	%	2.0	2.0		0.83
9.09.	Loss on Drying	%	1.5	1.5		0.41
9.10.	Sulfate	%	0.2	0.2		0.14
9.11.	Iron (Fe)	%	-----	-----	calculated value	32.09
9.12.	Arsenic (As)	ppm	3	-----	ICP-MS	0.16
9.13.	Mercury (Hg)	ppm	3	3		0.01
9.14.	Lead (Pb)	ppm	10	2		0.11
9.15.	Chromium (Cr)	ppm	-----	-----		4.67
9.16.	Cadmium (Cd)	ppm	-----	-----		0.01

Date of testing: March 12, 2021.

Date of issue: March 25, 2021.

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QC manager

**ELFOGADVA
APPROVED**

Approved by: Valéria Füredi

Date of approved: March 25, 2021.

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QA Manager

COUNTRY OF ORIGIN: HUNGARY