



CERTIFICATE OF ANALYSIS

Product Name:	Iron(II) Ferrous Fumarate
Batch Number:	2024/243
Manufacture Date:	29/10/ 2024
Expiration Date:	29/10/ 2027
Packing:	25 kg box
Lot Quantity:	500 kg

Physical & Chemical Characteristics

Analysis Item	Specification	Result
Description	Fine, reddish-orange or reddish-brown powder	Complies
Solution	Slightly soluble in water, very slightly soluble in ethanol (96%)	Complies
Identification A	Pass test	Pass test
Identification B	Pass test	Pass test
Identification C	Pass test	Pass test
Assay	93.0%–101.0%	95.3%
Ferric ion (Fe ³⁺)	≤2.0%	0.74%
Loss on Drying	≤1.0%	0.21%
Sulfates	≤0.2%	<0.2%

Heavy Metals

Analysis Item	Specification	Result
Arsenic (As)	≤1.5 ppm	0.21 ppm
Lead (Pb)	≤3 ppm	<0.01 ppm
Chromium (Cr)	≤200 ppm	37.5 ppm
Nickel (Ni)	≤50 ppm	18.0 ppm
Zinc (Zn)	≤500 ppm	6.77 ppm
Cobalt (Co)	≤20 ppm	9.15 ppm
Vanadium (V)	≤40 ppm	5.05 ppm