



Specification

1.03965.0100 Iron(II) sulfate heptahydrate for analysis EMSURE® ACS,ISO,Reag. Ph Eur

	Spec. Values	
Assay (manganometric)	99.5 - 102.0	%
Identity	passes test	
Appearance of solution	passes test	
Insoluble matter	≤ 0.01	%
pH-value (5 %; water)	3.0 - 4.0	
Chloride (Cl)	≤ 0.0005	%
Phosphate (PO ₄)	≤ 0.001	%
Total nitrogen (N)	≤ 0.001	%
Heavy metals as Pb	≤ 0.005	%
As (Arsenic)	≤ 0.0002	%
Ca (Calcium)	≤ 0.005	%
Cr (Chromium)	≤ 0.0050	%
Co (Cobalt)	≤ 0.0025	%
Cu (Copper)	≤ 0.001	%
Fe III (Iron III)	≤ 0.02	%
K (Potassium)	≤ 0.002	%
Mg (Magnesium)	≤ 0.002	%
Mn (Manganese)	≤ 0.05	%
Na (Sodium)	≤ 0.02	%
Ni (Nickel)	≤ 0.0050	%
Pb (Lead)	≤ 0.0005	%
Zn (Zinc)	≤ 0.0050	%
Substance not precipitated by ammonium hydroxide	≤ 0.1	%

Corresponds to ACS,ISO,Reag. Ph Eur

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Responsible laboratory manager quality control

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