Specification

1.03943.0000 Iron(III) chloride hexahydrate for analysis EMSURE® ACS,Reag. Ph Eur

	Spec. Values	
Assay (iodometric, $FeCl_3 \cdot 6H_2O$)	99.0 – 102.0	%
Identity	passes test	
Insoluble matter	≤ 0.01	%
Free chlorine	passes test	
Acidic substances	passes test	
Nitrate (NO_3)	≤ 0.01	%
Sulfate (SO_4)	≤ 0.01	%
Total nitrogen (N)	≤ 0.001	%
Total phosphorus (as PO_4)	≤ 0.01	%
Ca (Calcium)	≤ 0.01	%
Cu (Copper)	≤ 0.003	%
Fe II (Iron II)*	≤ 0.002	%
K (Potassium)	≤ 0.005	%
Mg (Magnesium)	≤ 0.005	%
Na (Sodium)	≤ 0.05	%
Zn (Zinc)	≤ 0.003	%

*The Fe(II)-content increases if the recommended storage conditions (+15 to +25°C) are not observed.

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Aaron Bai

Electronically signed by: Aaron Bai
Reason: approved
Date: Sep 17, 2025 10:49:51 GMT+8

Approved By:

Responsible quality function