

PT. SMART-LAB INDONESIA

MANUFACTURER OF ANALYTICAL REAGENTS

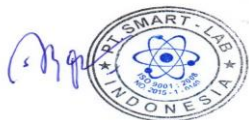
CERTIFICATE OF ANALYSIS

Product Name	: Iron (III) chloride hexahydrate	Molecular Weight	: 270.30 g/mol
Catalog No.	: A-2714	Batch No.	: 140622002
Grade	: Analytical Reagent	Manufacturing Date	: June 14, 2022
Formula	: $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$	Expire Date	: June, 2027
Cas No	: 10025-77-1		

NO.	ITEM TEST	UNITS	SPECIFICATION	RESULT
1.	Appearance	—	Yellow to yellow- orange/ brown, very hygroscopic crystals or mass or lumps	Brown lumps
2.	Assay (Iodometric)	wt %	min 99.0	99.641
3.	Solution in hydrochloric acid	—	passes test	Passes test
4.	Free Chlorine (as Cl)	wr %	max 0.001	0.00074
5.	Acidity (HCl)	wt %	max 0.2	0.152
6.	Nitrogen compound (N)	wt %	max 0.001	< 0.001
7.	Phosphate (PO_4)	wt %	max 0.01	0.0016
8.	Sulphate (SO_4)	wt %	max 0.01	0.0042
9.	Arsenic (As)	wt %	max 0.0005	< 0.0005
10.	Copper (Cu)	wt %	max 0.002	< 0.002
11.	Iron (II) (Fe^{2+})	wt %	max 0.005	< 0.005
12.	Lead (Pb)	wt %	max 0.002	< 0.002
13.	Calcium (Ca)	wt %	max 0.01	< 0.01
14.	Potassium (K)	wt %	max 0.005	< 0.005
15.	Sodium (Na)	wt %	max 0.05	< 0.05
16.	Magnesium (Mg)	wt %	max 0.005	< 0.005
17.	Manganese (Mn)	wt %	max 0.05	< 0.05
18.	Zinc (Zn)	wt %	max 0.002	< 0.002

Result : The above product corresponds to AR Grade
Reference or standard of product specification to Analar standard

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SUDIRO S.Si.
Head QC