

PT. SMART LAB INDONESIA

MANUFACTURER OF ANALYTICAL REAGENTS

F/QCL/009 Rev.03

CERTIFICATE OF ANALYSIS

Product Name : Iron (III) Chloride Hexahydrate AR

Mol. Formula : $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$

Mol. Weight : 270.30 g/mol

Catalog No. : A-2714

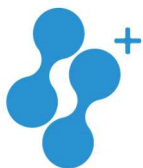
Cas No : 10025-77-1



Batch No. : Sample COA

Shelf Life : 60 Months

NO.	TESTS	UNITS	SPECIFICATIONS	RESULTS
1.	Appearance	–	Yellow to yellow- orange/ brown, very hygroscopic crystals or mass or lumps	Brown lumps
2.	Assay (Iodometric)	wt %	min 99.0	99.497
3.	Solution in hydrochloric acid	–	passes test	Passes test
4.	Free Chlorine (as Cl)	wt %	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



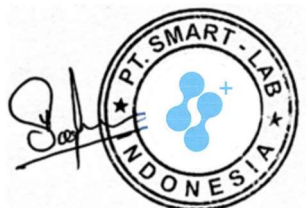
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Result: The above product corresponds to AR Grade

Reference or standard of product specification to Analar standard and ACS specification



Yuvraj Sagvekar
Manager QC

COA SAMPLE