

## Certificate of Analysis

Date of Testing: 2022-03-14 17:46:27  
Date of Next Testing: 2026-03-13 17:46:27  
Product Name: **Iron(III) chloride**  
CAS Number: 7705-08-0  
Specifications & Purity:  $\geq 99.99\%$  metals basis  
Lot #: C2210659  
SKU #: **I112066**  
Version: **0**  
Analysis #: **082956**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Fe(Titration by Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> )	33.9-34.9 (%)	34.89%
Water by Karl Fischer	0-1 (%)	1.00%
Total Metallic Impuritie	0-100 (ppm)	99.00 ppm
Purity(Based on Trace Metals Impurities of ICP)	99.99-100 (%)	99.99%
Appearance (I112066)	Dark green or Brown to black powder or crystals	Dark green or Brown to black powder or crystals
ICP: Confirms Iron Component	Confirmed	Confirmed
Solubility in HCL , Brown to Black,Clear,50mg/ml	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager