

Certificate of Analysis

Date of Testing: 2024-07-17 16:35:57

Date of Next Testing: 2028-07-16 16:35:57

Product Name: **Iron(III) chloride**

CAS Number: 7705-08-0

Specifications & Purity: $\geq 99.99\%$ metals basis

Lot #: F2427017

SKU #: **I112066**

Version: **0**

Analysis #: **082956**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Fe(Titration by Na ₂ S ₂ O ₃)	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