

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	30088
<b>Product</b>	<b>Iron(III) chloride hexahydrate</b>
<b>Lot Number</b>	000331-35054
	Ferric chloride hexahydrate
<b>CAS Number</b>	10025-77-1
<b>Molecular Formula</b>	Cl <sub>3</sub> Fe•6H <sub>2</sub> O
<b>Molecular Weight</b>	270.3

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<b>Appearance</b>	Brownish-yellow solid / lumps
<b>Solubility</b>	92 g in 100 mL in water
<b>Melting Point</b>	37 °C (Approx.)
<b>Anion</b>	Nitrate (NO <sub>3</sub> <sup>-</sup> ): < 0.01% Sulfate (SO <sub>4</sub> <sup>2-</sup> ): < 0.01% Phosphorous Compounds (as PO <sub>4</sub> <sup>3-</sup> ): < 0.01%
<b>Cation</b>	Calcium (Ca): < 0.01% Copper (Cu): < 0.003% Magnesium (Mg): < 0.002% Manganese (Mn): < 0.005% Potassium (K): < 0.005% Sodium (Na): < 0.05% Zinc (Zn): < 0.003% Ferrous iron (Fe <sup>++</sup> ): < 0.002%
<b>Insoluble material</b>	< 0.01%
<b>Assay by titration</b>	99.4%
<b>Grade</b>	ACS reagent
<b>Application</b>	Used in clinical reagents (amino acids in urine).
<b>Storage</b>	Store at RT

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**