

# *Chem-Impex International, Inc.*

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## *Product Specifications*

$(\text{NH}_4)_2\text{Fe}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$

<b>Catalogue Number</b>	35593
<b>Product</b>	<b>Ammonium iron(II) sulfate hexahydrate</b>  Ferrous ammonium sulfate hexahydrate  Ammonium ferrous sulfate hexahydrate
<b>CAS Number</b>	7783-85-9
<b>Molecular Formula</b>	$(\text{NH}_4)_2\text{Fe}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$
<b>Molecular Weight</b>	392.1
<b>Appearance</b>	Light green to blue crystals
<b>Trace Metal Analysis</b>	$\leq 35$ ppm
<b>Related Substances</b>	Ag : $\leq 0.2$ ppm, Al : $\leq 1.3$ ppm, B : $\leq 1.4$ ppm Ca : $\leq 0.5$ ppm, Cd : $\leq 0.2$ ppm, Co : $\leq 0.6$ ppm Mg : $\leq 0.2$ ppm, Mn : $\leq 0.5$ ppm, Mo : $\leq 0.5$ ppm Na : $\leq 2.3$ ppm, Pb : $\leq 0.5$ ppm, Ti : $\leq 0.1$ ppm
<b>Assay by titration</b>	13.8 - 14.7% (Iron content by KMNO4)
<b>Purity</b>	$\geq 99.99\%$ (Trace metals basis)
<b>Storage</b>	Store at RT
<b>Additional Information</b>	ICP major analysis : Iron and Sulfur : To pass test

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**For Laboratory Use Only**