



Product name: **Ammonium iron(III) sulfate dodecahydrate**

Synonyms: Alum iron, Ferric ammonium sulfate, Iron alum, Iron (III) ammonium sulfate

CAS number: 7783-83-7

<i>General information:</i>		
	Chemical formula: $\text{H}_2\text{NFeO}_8\text{S}_2 \cdot 12\text{H}_2\text{O}$	Molar Mass: 482.19 g/mol
	Appearance: Violet golden solid	Density: 1.710 g/cm ³ (20 °C)
	Solub. in water: 1240 g/l	Melting point: 39 - 41 °C
	Bulk density: 750 kg/m ³	pH value: 1.8 (100 g/l, H ₂ O, 20 °C)
	Storage temp.: +15°C to +25°C	Cautions: Danger
	R: -	S: -
	HS-No.: 2833 30 00	EC-Index-No : 233-382-4

Hazard Symbol



Safety Information

Grade

ACS

Specification:				
Assay			98.5 -102.0	%
Description			Conforms	
Insoluble matter		≤	0.01	%
Chloride (Cl)		≤	0.001	%
Nitrate (NO ₃)		≤	0.01	%
Calcium (Ca)		≤	0.01	%
Copper (Cu)		≤	0.003	%
Magnesium (Mg)		≤	0.005	%
Potassium (K)		≤	0.005	%
Sodium (Na)		≤	0.02	%
Zinc (Zn)		≤	0.003	%
Ferrous ion (Fe ⁺⁺)			Conforms	

Ordering code	25 g	50 g	100 g	250 g	1000g
P.E.					
Glass				552.16.00250.01	