

**Ammonium iron(III) sulfate, solution 0,1 mol/l (0,1 N)****Identification**

$\text{NH}_4\text{Fe}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$   
M = 482,19 g/mol  
CAS [7783-83-7]  
EC number: 233-382-4  
Taric code: 2833 30 00

**Applications**

analytical chemistry, laboratory reagent, titrant in volumetric analysis.

**Specifications**

factor..... 0,995 - 1,005  
uncertainty  $\pm$  0,003

1 ml = 0,04822 g  $(\text{NH}_4)\text{Fe}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$   
This volumetric solution was checked  
by means of potentiometric methods  
using a sodium thiosulfate standard

solution, that was also checked against  
Scharlau's potassium iodate  
volumetric standard. Scharlau's  
volumetric standards are directly  
traceable to the Standard Reference  
Materials from NIST (National Institute  
of Standards and Technology, USA).

**Physical data**

• Density: 1,025 g/cm<sup>3</sup>

**Transport/storage**

• 10°C - 30°C