

**Sulfuric acid, solution 0,125 mol/l (0,25 N)****Identification**

H<sub>2</sub>SO<sub>4</sub>  
M = 98,08 g/mol  
CAS [7664-93-9]  
EC number: 231-639-5  
Taric code: 2807 00 00

**Applications**

analytical chemistry, laboratory reagent, titrant in volumetric analysis.

**Specifications**

factor..... 0,999 - 1,001  
uncertainty ± 0,001

1 ml = 0,01226 g H<sub>2</sub>SO<sub>4</sub>

This solution was analysed using a certified reference material (tris(hydroxymethyl)-aminomethane).

The certified reference material is ISO 17034 accredited, measured according to ISO/IEC 17025 and traceable to the International System of Units by means of a Standard Reference Material from NIST: SRM<sup>®</sup> 723 (Tris(hydroxymethyl)aminomethane (HOCH<sub>2</sub>)<sub>3</sub>CNH<sub>2</sub> (Acidimetric Standard)).

**Physical data**

- Density: 1,01 g/cm<sup>3</sup>
- pH < 1

**Safety - GHS**

Signal Word: Warning

**Hazard Statements:**

H290: May be corrosive to metals.

**Precautionary Statements:**

- P234: Keep only in original container.
- P390: Absorb spillage to prevent material damage.
- P406: Store in corrosive resistant container with a resistant inner liner.

**Transport/storage**

- ADR: 8 C1 II • UN 2796 • SULPHURIC ACID
- IMDG: 8 II • UN 2796 • SULPHURIC ACID
- IATA/ICAO: 8 II • UN 2796 • SULPHURIC ACID
- PAX: 809
- CAO: 813
- 15°C - 25°C