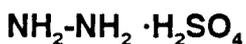


# HYDRAZINE SULFATE

NSC 150014



**Chemical Name:**

Hydrazine, sulfate (1:1)

**CAS Registry Number:** 10034-93-2

**Molecular Formula:**  $\text{H}_6\text{N}_2\text{O}_4\text{S}$

**M.W.:** 130.1

**Approximate Solubility:**

(mg/mL)

Water

≈ .03

Water (hot)

freely soluble

EtOH

insoluble

**Ion Chromatographic Analysis:**

**Column:**

IC-Pak C (Waters Assoc.) with a Cation Guard Column (Waters Assoc.) installed between the pump and injector.

**Injector:**

Model 9125 (Rheodyne) with a 20  $\mu\text{L}$  loop or equivalent.

**Mobile Phase:**

8 mM Nitric Acid/0.05 mM EDTA

**Flow Rate:**

1.2 mL/min

**Detection:** Model 430 Conductivity (Waters Assoc.).  
5000  $\mu\text{S}$  range. Polarity negative.

**Sample Preparation:** Weighed amounts ( $\approx 4$  mg) are placed in  
50 mL volumetric flasks and diluted to  
volume with the mobile phase. The  
diluted samples ( $\approx 80$   $\mu\text{g/mL}$ ) are  
analyzed directly.

**Injection Volume:** 20  $\mu\text{L}$

**Temperature:** 35  $^{\circ}\text{C}$  (detector only)