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## Sodium Thioglycolate

(Sodium Thioglycollate),  $\text{HSCH}_2\text{COONa}$  114.10 CAS RN<sup>®</sup>: 367-51-1.—A white, crystalline powder. Very soluble in water; slightly soluble in alcohol. Is hygroscopic, and oxidizes in air. Store in tight, light-resistant containers. It should not be used if it is pale yellow or darker in color.

**Assay:** Accurately weigh about 250 mg, and dissolve in 50 mL of oxygen-free water. Add 5 mL of diluted hydrochloric acid, boil for 2 minutes, cool, and titrate the solution with 0.1 N iodine VS, adding 3 mL of starch TS toward the end: each mL of 0.1 N iodine is equivalent to 11.41 mg of  $\text{HSCH}_2\text{COONa}$ . Not less than 75% is found.

**Insoluble Matter:** A solution of 1 g in 10 mL of water is clear, and practically complete.

**Sulfide:** Dissolve 500 mg in 10 mL of water in a small flask, add 2 mL of hydrochloric acid, then place a strip of filter paper, moistened with lead acetate TS, over the mouth of the flask, and bring the solution to a boil: the lead acetate paper is not darkened.

**Auxiliary Information** - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
SODIUM THIOGLYCOLATE	<a href="#">Margareth R.C. Marques</a> Principal Scientific Liaison	HDQ Headquarters

**Most Recently Appeared In:**

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