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## Silicotungstic Acid, *n*-Hydrate

(*Tungstosilicic Acid*),  $H_4Si(W_3O_{10})_4 \cdot nH_2O$  2878.17 (anhydrous) CAS RN®: 12027-38-2.

• **Assay:** Dissolve about 1 g, accurately weighed, in 25 mL of dilute hydrochloric acid (1 in 5). Add 50 mL of a solution of 5 g of cinchonine in dilute hydrochloric acid (1 in 2). Warm on a steam bath for about 30 min. Cool, filter through a tared crucible, and ignite at 800° to constant weight. The weight of the residue multiplied by 1.047 is equal to the weight of silicotungstic acid dihydrate in the sample taken. NLT 98% is found.

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

Topic/Question	Contact	Expert Committee
SILICOTUNGSTIC ACID, N-HYDRATE	<a href="#">Margareth R.C. Marques</a> Principal Scientific Liaison	HDQ Headquarters

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