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Change to read:

Silicic Acid,

$\text{SiO}_2 \cdot x\text{H}_2\text{O}$ (anhydrous) 60.08 CAS RN[®]: 1343-98-2.—White, amorphous powder. Insoluble in water and in acids; soluble in hot solutions of strong alkalis.

- **RESIDUE ON IGNITION** (Reagent test): not less than 80.0%.
- **NONVOLATILE WITH HYDROFLUORIC ACID**: Heat 500 mg with 1 mL of sulfuric acid and 10 mL of hydrofluoric acid in a platinum crucible to dryness, and ignite to constant weight: the weight of the residue does not exceed 1.0 mg (0.2%).
- **CHLORIDE** (Reagent test): One g shows not more than 0.05 mg of Cl (0.005%).
- **SULFATE** (Reagent test): Boil 2 g with 20 mL of dilute hydrochloric acid (1 in 40), filter, neutralize the filtrate with ammonia TS, and dilute with water to 20.0 mL. A 10-mL aliquot of the solution shows not more than 0.1 mg of SO_4 (0.01%).
- **HEAVY METALS** (Reagent test): Boil 2.5 g with 50 mL of dilute hydrochloric acid (1 in 10) for 5 minutes, filter while hot, and evaporate the filtrate on a steam bath to dryness. Take up the residue in 20 mL of dilute hydrochloric acid (1 in 500), digest for 5 minutes, cool, add water to make 100 mL, and filter. To 40 mL of the filtrate add 10 mL of hydrogen sulfide TS: any color produced is not darker than that produced by adding 10 mL of hydrogen sulfide TS to a control containing 0.03 mg of Pb (0.003%).
- **▲Iron (241), Procedures, Procedure 1** ▲ (CN 1-JUN-2023) : To 20 mL of the filtrate obtained in the test for *Heavy Metals* add 1 mL of hydrochloric acid, and dilute with water to 47 mL: the solution shows not more than 0.015 mg of Fe (0.003%).

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

Topic/Question	Contact	Expert Committee
SILICIC ACID	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

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