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Potassium Tellurite

(Potassium Tellurate IV), K_2TeO_3 253.79 CAS RN[®]: 7790-58-1.—White, granular powder. Soluble in water. Its solution is alkaline.

Assay: Weigh accurately about 120 mg, transfer to a beaker, and dissolve in a mixture of 10 mL of nitric acid, 10 mL of sulfuric acid, and 25 mL of water. Heat to boiling, and boil until copious fumes of sulfur trioxide are evolved. Cool, cautiously add 100 mL of water, heat to boiling, add 6 g of sodium fluoride, and titrate the hot solution with 0.1 N potassium permanganate VS. Each mL of 0.1 N potassium permanganate is equivalent to 12.69 mg of K_2TeO_3 . Not less than 98% is found.

Chloride (Reagent test): One g shows not more than 0.1 mg of Cl (0.01%).

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

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

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