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## Cadmium Acetate,

$C_4H_6CdO_4 \cdot 2H_2O$  266.53 CAS RN®: ▲5743-04-4.▲ (USP 1-Dec-2022) —Colorless, transparent to translucent crystals. Freely soluble in water; soluble in alcohol.

- **INSOLUBLE MATTER** (Reagent test): NMT 1 mg, from 20 g (0.005%)
- **CHLORIDE** (Reagent test): 1 g shows NMT 0.01 mg of Cl (0.001%)
- **SULFATE** (Reagent test, *Method II*): Dissolve 10 g in 100 mL of [water](#), add 1 mL of [hydrochloric acid](#), and filter: the residue weighs NMT 1.2 mg more than the residue obtained in a complete blank test (0.005%).
- **SUBSTANCES NOT PRECIPITATED BY HYDROGEN SULFIDE**: Dissolve 2 g in a mixture of 135 mL of [water](#) and 15 mL of [1 N sulfuric acid](#), heat to boiling, and pass a rapid stream of [hydrogen sulfide](#) through the solution as it cools. Filter, and to 75 mL of the clear filtrate add 0.25 mL of [sulfuric acid](#), then evaporate to dryness, and ignite gently: the residue weighs NMT 1 mg (0.1%).

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

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

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