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## Xanthine,

$C_5H_4N_4O_2$  152.11 CAS RN<sup>®</sup>: 69-89-6.—White, crystalline powder. Decomposes on heating. Slightly soluble in water and in alcohol; soluble in sodium hydroxide TS; sparingly soluble in diluted hydrochloric acid. When subjected to the murexide reaction, a purple color is produced with the ammonia, but on the subsequent addition of fixed alkali hydroxides, the color is not discharged but is changed to violet.

**Residue on Ignition** (Reagent test): negligible, from 100 mg.

**Loss on Drying (731)**: Dry it at 105° for 2 hours: it loses not more than 1% of its weight.

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

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

**Most Recently Appeared In:**

Pharmacopeial Forum: Volume No. Information currently unavailable

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