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Tetramethylammonium Chloride,

$(\text{CH}_3)_4\text{NCl}$ 109.60 CAS RN[®]: 75-57-0.—Colorless crystals. Soluble in water and in alcohol; insoluble in chloroform.

Assay: Transfer about 200 mg, accurately weighed, to a beaker, add 50 mL of water and 10 mL of diluted nitric acid, swirl to dissolve the test specimen, add 50.0 mL of 0.1 N silver nitrate VS, and mix. Add 2 mL of ferric ammonium sulfate TS and 5 mL of nitrobenzene, shake, and titrate the excess silver nitrate with 0.1 N ammonium thiocyanate VS: each mL of 0.1 N silver nitrate is equivalent to 10.96 mg of $(\text{CH}_3)_4\text{NCl}$. Not less than 98% is found.

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

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

Most Recently Appeared In:

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