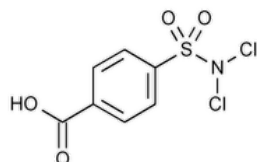


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Halazone



$C_7H_5Cl_2NO_4S$ 270.09
Benzoic acid, 4-[(dichloroamino)sulfonyl]-;
p-(Dichlorosulfamoyl)benzoic acid CAS RN®: 80-13-7; UNII: G3590L82VB.

DEFINITION

Halazone contains NLT 91.5% and NMT 100.5% of $C_7H_5Cl_2NO_4S$, calculated on the dried basis.

IDENTIFICATION

• PROCEDURE

Sample: 100 mg

Analysis: Add the *Sample* to 5 mL of a sodium bromide solution (1 in 10).

Acceptance criteria: Bromine is liberated from the mixture.

ASSAY

• PROCEDURE

Sample: 150 mg

Analysis: Add the *Sample* to 10 mL of 2.5 N sodium hydroxide in a 250-mL iodine flask, and stir well to dissolve. Add 75 mL of water, then promptly add 15 mL of potassium iodide solution (1 in 10), and mix. Acidify with 10 mL of 6 N acetic acid, and titrate immediately with 0.1 N sodium thiosulfate VS, adding 3 mL of starch TS as the endpoint is approached. Perform a blank determination, and make any necessary correction. Each mL of 0.1 N sodium thiosulfate is equivalent to 6.752 mg of $C_7H_5Cl_2NO_4S$.

Acceptance criteria: 91.5%–100.5% on the dried basis

IMPURITIES

ORGANIC IMPURITIES

• PROCEDURE: [READILY CARBONIZABLE SUBSTANCES TEST \(271\)](#).

Sample: 100 mg

Analysis: Dissolve the *Sample* in 0.5 mL of sulfuric acid.

Acceptance criteria: No blackening occurs, although some effervescence may take place.

SPECIFIC TESTS

• [LOSS ON DRYING \(731\)](#): Dry a sample over phosphorus pentoxide for 4 h: it loses NMT 0.5% of its weight.

ADDITIONAL REQUIREMENTS

• **PACKAGING AND STORAGE:** Preserve in tight, light-resistant containers.

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

Topic/Question	Contact	Expert Committee
HALAZONE	Documentary Standards Support	SM12020 Small Molecules 1

Chromatographic Database Information: [Chromatographic Database](#)

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