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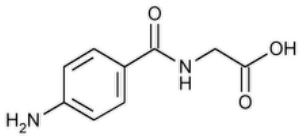
Aminohippuric Acid



$C_9H_{10}N_2O_3$ 194.19

Glycine, *N*-(4-aminobenzoyl)-;

p-Aminohippuric acid CAS RN®: 61-78-9; UNII: Y79XT83BJ9.

DEFINITION

Aminohippuric Acid contains NLT 98.0% and NMT 100.5% of aminohippuric acid ($C_9H_{10}N_2O_3$), calculated on the dried basis.

IDENTIFICATION

Change to read:

• **A.** ▲Spectroscopic Identification Tests ⟨197⟩, *Infrared Spectroscopy*: **197K**▲ (CN 1-May-2020)

• **B.**

Sample: 10 mg of Aminohippuric Acid

Analysis: Dissolve the *Sample* in 5 mL of water, add 0.5 mL of 3 N hydrochloric acid, 0.5 mL of sodium nitrite solution (1 in 10), and a solution of 0.20 g of 2-naphthol in 10 mL of 6 N ammonium hydroxide.

Acceptance criteria: A red color is produced.

ASSAY

• **Procedure**

Sample: 150 mg of Aminohippuric Acid

Analysis: To the *Sample* add 5 mL of hydrochloric acid and 50 mL of water. Proceed as directed in *Nitrite Titration* ⟨451⟩, beginning with "stir until dissolved." Each mL of 0.1 M sodium nitrite is equivalent to 19.42 mg of aminohippuric acid ($C_9H_{10}N_2O_3$).

Acceptance criteria: 98.0%–100.5% on the dried basis

IMPURITIES

• **Residue on Ignition** ⟨281⟩**:** NMT 0.25%

SPECIFIC TESTS

• **Loss on Drying** ⟨731⟩

Analysis: Dry at 105° for 2 h.

Acceptance criteria: NMT 0.25%

ADDITIONAL REQUIREMENTS

• **Packaging and Storage:** Preserve in tight, light-resistant containers.

• **USP Reference Standards** ⟨11⟩

USP Aminohippuric Acid RS

Auxiliary Information - Please check for your question in the FAQs before contacting USP.

Topic/Question	Contact	Expert Committee
AMINOHIPPURIC ACID	Documentary Standards Support	SM32020 Small Molecules 3
REFERENCE STANDARD SUPPORT	RS Technical Services RSTECH@usp.org	SM32020 Small Molecules 3

Chromatographic Database Information: Chromatographic Database

Most Recently Appeared In:
Pharmacopeial Forum: Volume No. Information currently unavailable

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