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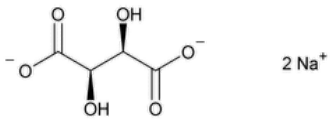
Sodium Tartrate



$C_4H_4Na_2O_6 \cdot 2H_2O$ 230.08

Disodium L-tartrate;

Disodium (+)-2,3-dihydroxybutanedioic acid CAS RN®: 868-18-8.

DEFINITION

Sodium Tartrate contains NLT 99.0% and NMT 100.5% of sodium tartrate ($C_4H_4Na_2O_6$), calculated on the dried basis.

IDENTIFICATION

- **A. Identification Tests—General, *Sodium*⟨191⟩:** Meets the requirements
- **B. Identification Tests—General, *Tartrate*⟨191⟩:** Meets the requirements

ASSAY

- **Procedure**

Sample: 250 mg, previously dried at 150° for 3 h

Titrimetric system

(See *Titrimetry* ⟨541⟩.)

Mode: Direct titration

Titrant: 0.1 N Perchloric acid VS (in glacial acetic acid)

Endpoint detection: Potentiometric

Analysis: Dissolve the *Sample* in 150 mL of glacial acetic acid by stirring and heating to near the boiling point. Cool to room temperature. Titrate with 0.1 N perchloric acid VS (in glacial acetic acid) to a potentiometric endpoint. Perform a blank determination, and make any necessary adjustments. Each mL of 0.1 N perchloric acid is equivalent to 9.703 mg of sodium tartrate ($C_4H_4Na_2O_6$).

Acceptance criteria: 99.0%–100.5% on the dried basis

SPECIFIC TESTS

- **pH ⟨791⟩:** 7–9 (1 in 10 solution)
- **Loss on Drying ⟨731⟩:** Dry a sample at 150° for 3 h: it loses 14.0%–17.0% of its weight.

ADDITIONAL REQUIREMENTS

- **Packaging and Storage:** Preserve in a tight container. No storage requirements specified.

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

Topic/Question	Contact	Expert Committee
SODIUM TARTRATE	Documentary Standards Support	SE2020 Simple Excipients
REFERENCE STANDARD SUPPORT	RS Technical Services RSTECH@usp.org	SE2020 Simple Excipients

Chromatographic Database Information: Chromatographic Database

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