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ProductInformation

NOREPINEPHRINE BITARTRATE (Monohydrate) SIGMA REFERENCE STANDARD

Product No. N3146

Lot No: 17H9430

Storage Temperature: room temperature

Formula: $C_8H_{11}NO_3 \cdot C_4H_6O_6 \cdot H_2O$

Formula Weight: 337.29

CAS No: 69815-49-2

Synonyms: 1,2-Benzenediol, 4-(2-amino-

1-hydroxyethyl)-, (R)-,[R- $(R^*,R^*)]$ -2,3-dihydroxybutanedioate (1:1) (salt),

monohydrate.

(-)- α -(Aminomethyl)-3,4-dihydroxybenzyl alcohol tartrate (1:1) (salt), monohydrate.

Product Description

This product meets USP specifications (Current through USP 23, 5th Supplement), and is traceable to USP Reference Standard lot G

Store at room temperature in tight, light-resistant containers. Do not dry before using. This is the monohydrate from of norepinephrine bitartrate.

TEST	USP 23 SPECIFICATIONS	Result Sigma R.S. Lot 17H9430
Infrared absorption spectrum KBr dispersion 〈197K〉	compares to standard	conforms to USP RS lot G
Identification B	intense green color develops	passes
Identification C	solution remains colorless	passes
Specific rotation, $[\alpha]_D^{25}$ 50 mg/mL water $\langle 781S \rangle$	between - 10° and - 12°	-11.7°
Water, Method I (921)	between 4.5% and 5.8%	5.4%
Residue on ignition from 200 mg ⟨281⟩	negligible	negligible
Limit of arterenone $\langle 281 \rangle$	absorptivity at 310 nm of a 2 mg/mL solution is not more than 0.2	passes
Assay	not less than 97.0% and not more than 102% calculated on the anhydrous basis	99.9%

See reverse side for IR spectrum of Sigma Reference Standard.

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