

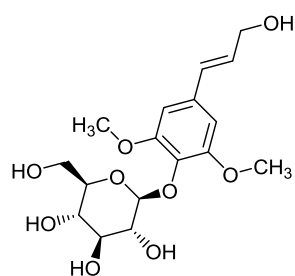
Certificate

POWDERED ELEUTHERO EXTRACT

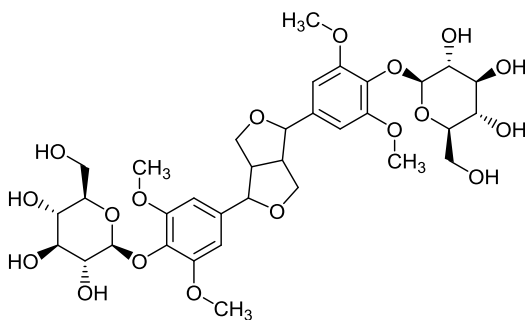
USP Catalog No.: 1234704

USP Lot No.: F0C291

Known components:



Eleutheroside B



Eleutheroside E

CAS No.: 84696-12-5

Molecular Formula: mixture

Molecular Weight: N/A

LABEL TEXT

For use with specified USP-NF Tests. Not for use
as a drug. Read MSDS before using.



REFERENCE STANDARD

POWDERED ELEUTHERO EXTRACT 1.5 g

Do not dry. For quantitative applications, determine the water content titrimetrically at the time of use and use the following eleutherosides content values as percentages of powdered eleuthero extract on the anhydrous basis: 0.4% eleutheroside B and 0.8% eleutheroside E. Store in a refrigerator. This material is hygroscopic.

CAT. NO. 1234704 USP ROCKVILLE, MD LOT F0C291

F0C291



Jeri L. Toth

Quality Assurance

Calculation Value

If a value is not provided on the label or accompanying documentation and the Reference Standard has a quantitative USP compendial application, a value of 100.0% is used. The purity value is not applicable for qualitative uses. Please refer to the specific Reference Standard label for further information.

Expiration

Current lots are identified in the current USP Catalog. In some cases, the previous lot may still be considered valid for use. If so, it is identified in the column marked "Previous Lot/Valid Use Date."

It is the responsibility of each user to determine that this lot is current or valid when used. For the most up-to-date information, please refer to the USP Store at www.usp.org.

Instructions for Use

Follow the instructions on the label of the USP Reference Standard and in the appropriate USP documentary standard(s).

Non-Monograph Use

The suitability of this Reference Standard for use in non-compendial applications is solely the responsibility of the user.

LEGAL NOTICE

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USP Reference Standards are not intended for use as drugs, dietary supplements, or as medical devices.

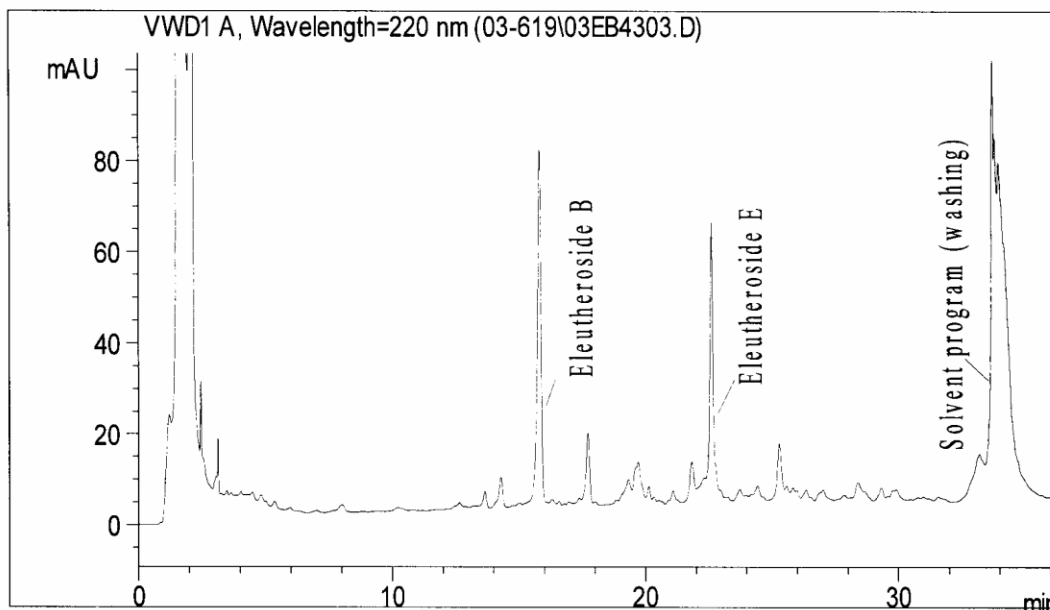
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Typical Chromatogram

USP Powdered Eleuthero Extract RS

Lot F0C291 (Cat. 1234704)

USP Monograph: Powdered Eleuthero Extract
Test: Content of eleutherosides B and E



These chromatograms are supplied for information only to assist in identifying peaks and does not constitute any legal requirement.

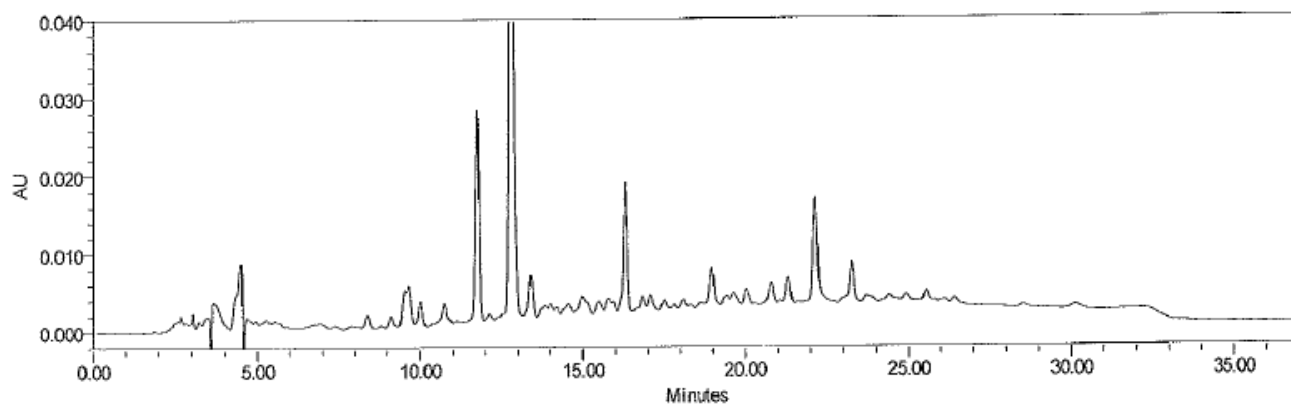
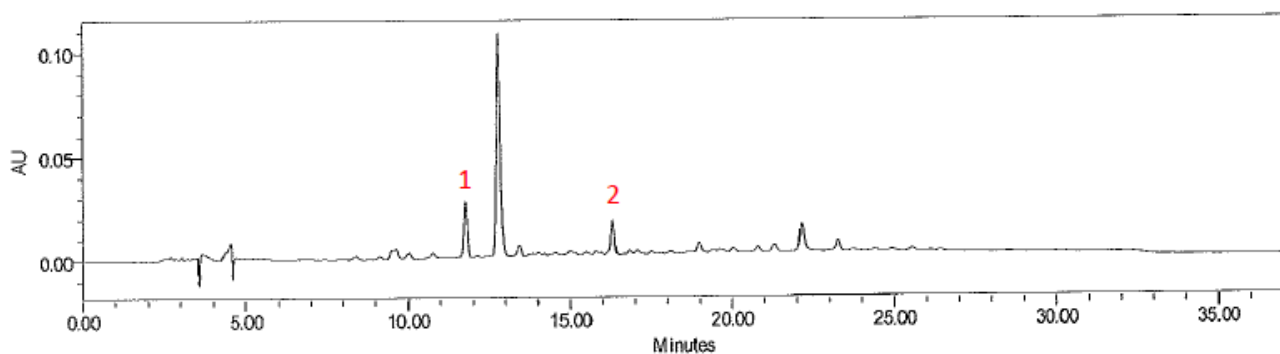
Typical Chromatogram

USP Powdered Eleuthero Extract RS

Lot F0C291 (Cat. 1234704)

USP monograph: Eleuthero Root and Rhizome Dry Extract Tablets

Test: Content of Eleutheroside B and E



1. Eleutheroside B

2. Eleutheroside E

This chromatogram is supplied for information only, unless otherwise specified in an applicable monograph or general chapter.