



U.S. Pharmacopeia  
The Standard of Quality<sup>SM</sup>

# USP Certificate

## Powdered Echinacea Angustifolia Extract LOT G0I377

### Molecular Formula

n/f

### Molecular Weight

n/f

No structure available

### CAS Number

84696-11-7

### LABEL TEXT



Lot No.: G0I377

### USP<sup>®</sup> REFERENCE STANDARD

#### POWDERED ECHINACEA ANGUSTIFOLIA EXTRACT 1 g



Danger! May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Do not dry. Keep container tightly closed. Protect from light and moisture. Store in a refrigerator. This material is hygroscopic.

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666  
CAT No. 1231706 Material mfd in Spain  
Intentionally over-labeled for GHS compliance

For use with specified USP compendial tests. Not for use as a drug. See SDS prior to use at [www.usp.org/sds](http://www.usp.org/sds).

Wear protective gloves. Contaminated work clothing must not be allowed out of the workplace. In case of inadequate ventilation wear respiratory protection. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor. Dispose of contents/container in accordance with local/regional/national/international regulations.

USP certifies that the USP Reference Standards Committee, in accordance with their rules and procedures, determined that this USP Reference Standard lot is suitable to assess compliance with the monograph standards for which it is specified. The critical characteristics of this lot are usually determined independently in three or more laboratories, including USP, government, academic, and industrial collaborators.

*Jeri L. Joth*

QA Director



# TYPICAL CHROMATOGRAM

## USP Powdered *Echinacea angustifolia* Extract RS

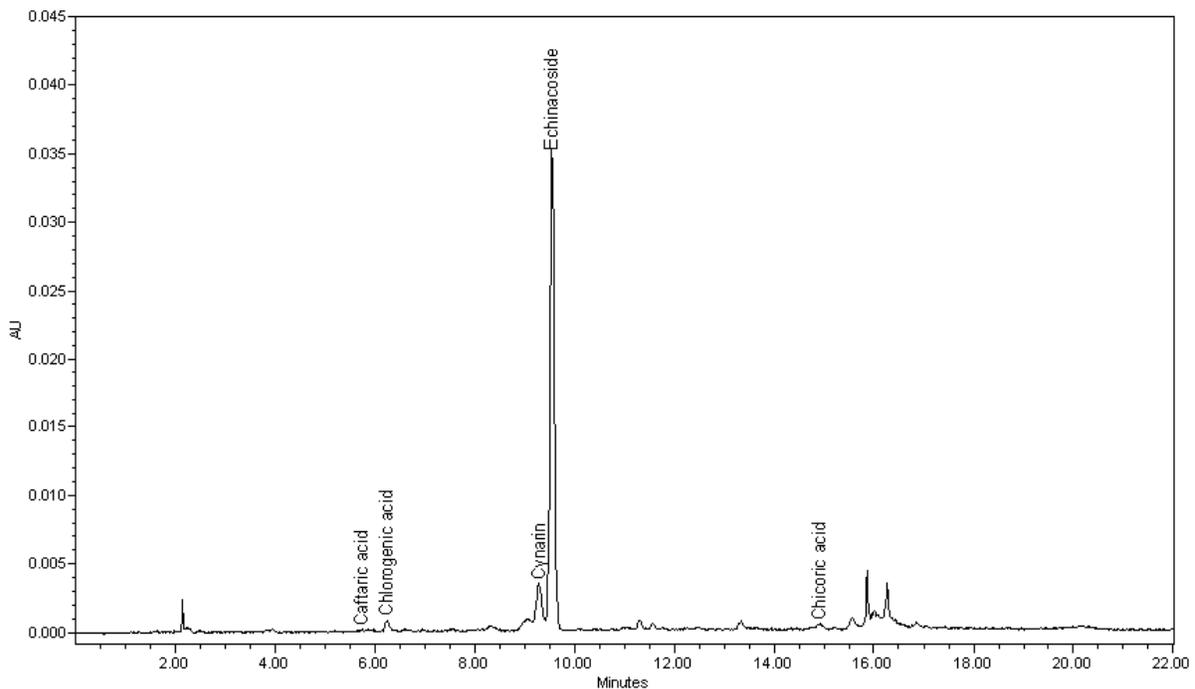
Cat. No. 1231706, lot G01377

### USP Monograph:

Powdered *Echinacea angustifolia* Extract (USP 32)

**Test:** Content of total phenols

**Solution:** Standard Solution 1



This chromatogram is supplied for information only to assist in identifying peaks and does not constitute any legal requirement.



# TYPICAL CHROMATOGRAM

## USP Powdered *Echinacea angustifolia* Extract RS

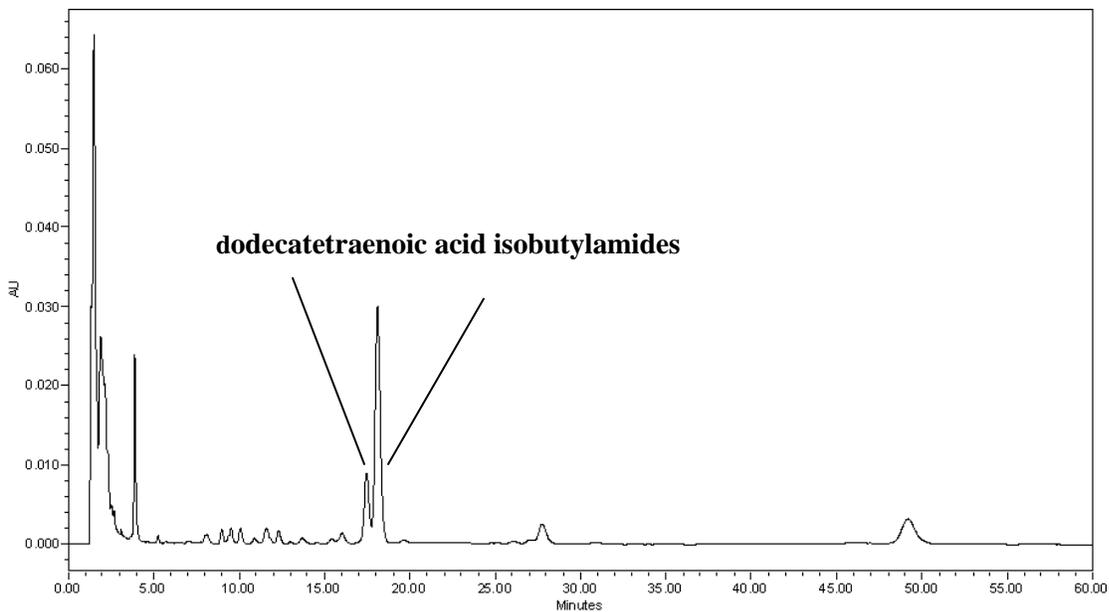
Cat. No. 1231706, lot G01377

### USP Monograph:

Powdered *Echinacea angustifolia* Extract (USP 32)

**Test:** Content of dodecatetraenoic acid isobutylamides

**Solution:** Standard Solution 1



This chromatogram is supplied for information only to assist in identifying peaks and does not constitute any legal requirement.

**Calculation Value**

Unless otherwise stated on the Reference Standard label, a value of 100.0% should be used in USP or NF compendial applications for which the use of this Reference Standard is intended. Please refer to the specific Reference Standard label for further information.

### **Expiration**

Current lots are identified in the Official USP Reference Standards catalog. In some cases, the previous lot may still be considered official. If so, it is identified in the column marked "Previous Lot/Valid Use Date." Ordinarily, the previous lot is carried in official status for about one year after the current lot enters distribution.

It is the responsibility of each user to determine that this lot is current when used. To ensure up-to-date information, USP publishes the Official USP Reference Standards Catalog, which contains official lot designations. This information is also available on the USP web site, at [www.usp.org](http://www.usp.org), as well as in the bimonthly subscription publication, *Pharmacopeial Forum*.

### **Instructions for Use**

Follow the instructions in the appropriate USP or NF Monographs and General Requirements for Tests and Assays of the current *USP–NF*. In the event that instructions on the label of this lot differ from those found in the current *USP–NF*, those on the label supersede any instructions listed in Chapter <11>.

### **Non-Monograph Use**

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

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