

# Certificate

## POWDERED ECHINACEA PURPUREA EXTRACT

USP Catalog No.:	1231728
USP Lot No.:	F0D018

Powdered <i>Echinacea purpurea</i> Extract is prepared from dried <i>Echinacea purpurea</i> Root, <i>Echinacea purpurea</i> Aerial Parts, or a mixture of them, by extraction with hydroalcoholic mixtures or other suitable solvents.	CAS No.	90028-20-9
	Molecular Formula	NA
	Molecular Weight	NA

**LABEL TEXT**



**USP REFERENCE STANDARD**

**POWDERED ECHINACEA PURPUREA 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.

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666  
CAT No. 1231728 Material mfd in Germany  
**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.

*Jeri L. Joth*

*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](http://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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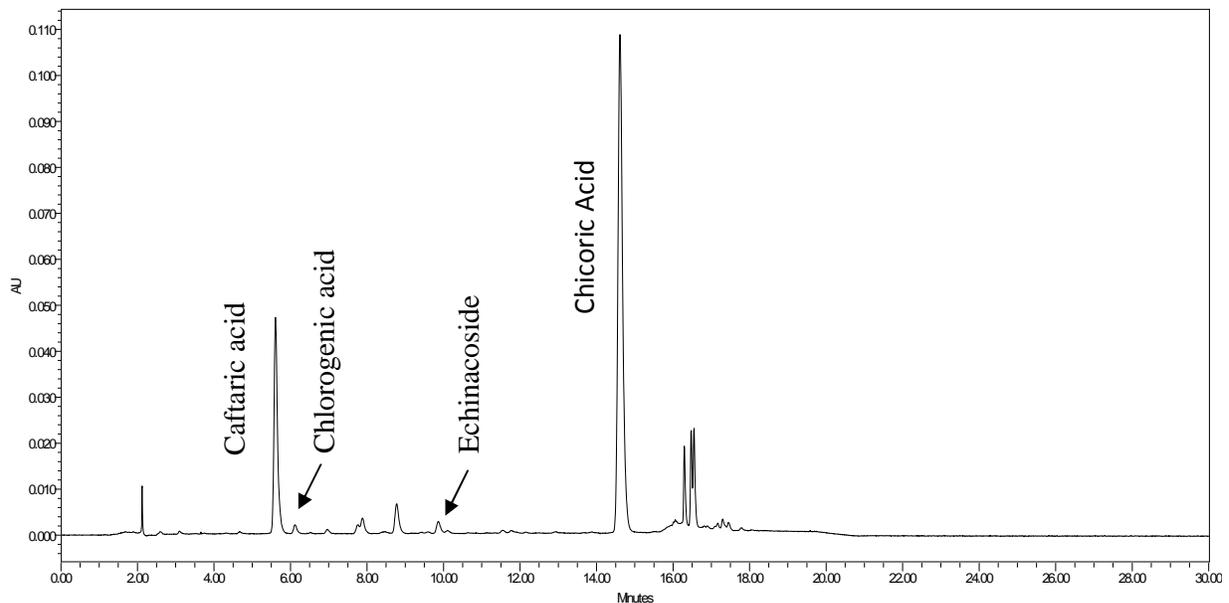
USP Reference Standards are not intended for use as drugs, dietary supplements, or as medical devices.

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# Typical Chromatogram

## USP Powdered Echinacea Purpurea Extract RS

<b>Catalog Number:</b> 1231728
<b>Lot:</b> F0D018
<b>Monograph:</b> Powdered <i>Echinacea purpurea</i> Extract
<b>Publication:</b> USP 30/NF 25
<b>Test:</b> Content of total phenols
<b>Sample:</b> Standard Solution 1

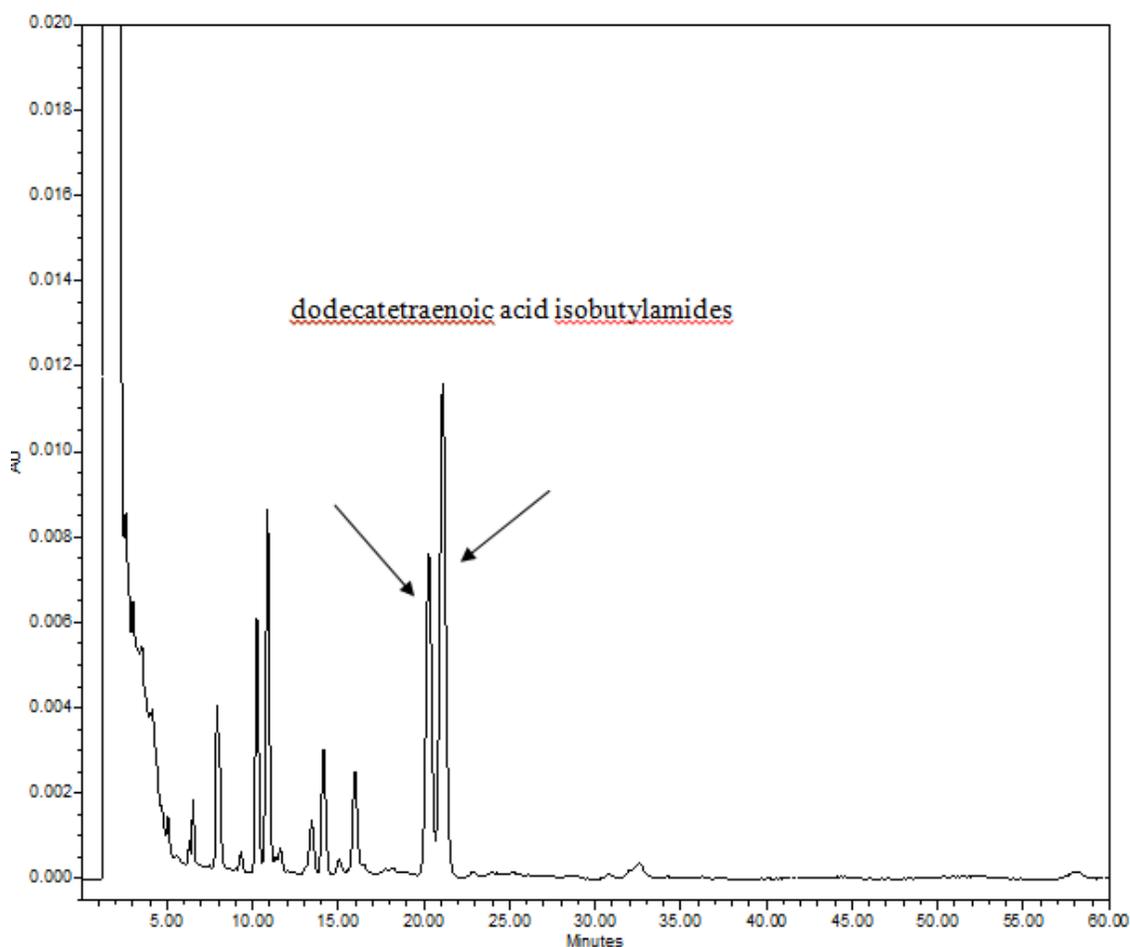


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## USP Powdered Echinacea Purpurea Extract RS

<b>Catalog Number:</b> 1231728
<b>Lot:</b> F0D018
<b>Monograph:</b> Powdered <i>Echinacea purpurea</i> Extract
<b>Publication:</b> USP 27/NF 22
<b>Test:</b> Content of alkamides
<b>Sample:</b> Standard Solution 1



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