

# Certificate

## ERYTHROPOIETIN

USP Catalog No.:	1248218
USP Lot No.:	F04800

<pre> APPRLICDSR VLERYLLEAK EAENITTGCA EHCSLNENIT VPDTKVNFYA WKRMEVGQQA VEVWQGLALL SEAVLRGQAL LVNSSQPWEP LQLHVDKAVS GLRSLTLLR ALGAQKEAIS PPDAASAAPL RTITADTRK LFRVYSNFLR GKLLYTGEA CRTGD           </pre>	CAS No.:	113427-24-0
	Molecular Formula:	$C_{809}H_{1301}N_{229}O_{240}S_5$ (amino acid sequence)
	Molecular Weight:	18,236.06

**LABEL TEXT**

**USP REFERENCE STANDARD**

**ERYTHROPOIETIN 100 µg**



Do not weigh. Reconstitute entire contents of vial. See USP certificate for additional information. Store in a freezer.

Warning! Causes skin irritation. May cause an allergic skin reaction.  
Causes serious eye irritation.

Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves. Wear eye/face protection. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Dispose of contents/container in accordance with local/regional/national/international regulations.

**KEEP AMPULE IN SECONDARY CONTAINER!**

**LOT: F04800**

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666  
Cat. No. 1248218 Material mfd. in United States



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).

**USP REFERENCE STANDARD**

**ERYTHROPOIETIN 100 µg**

Warning! See outer package label for full hazard information.



Do not weigh. Reconstitute entire contents of vial. See USP certificate for additional information. Store in a freezer.

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666  
Cat. No. 1248218 Lot: F04800  
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at [www.usp.org/sds](http://www.usp.org/sds).

*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.

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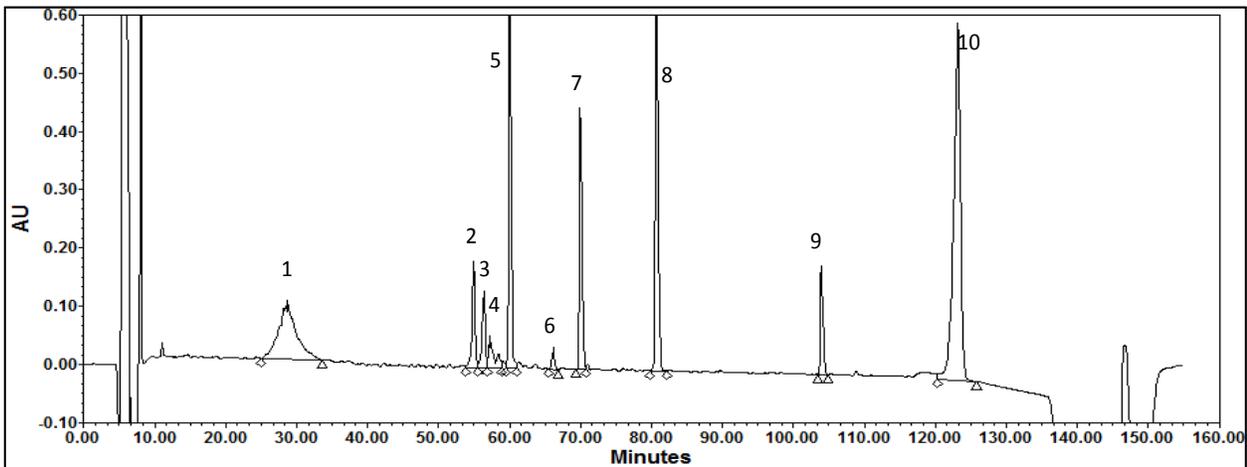
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# Typical Chromatograms

## USP Erythropoietin RS

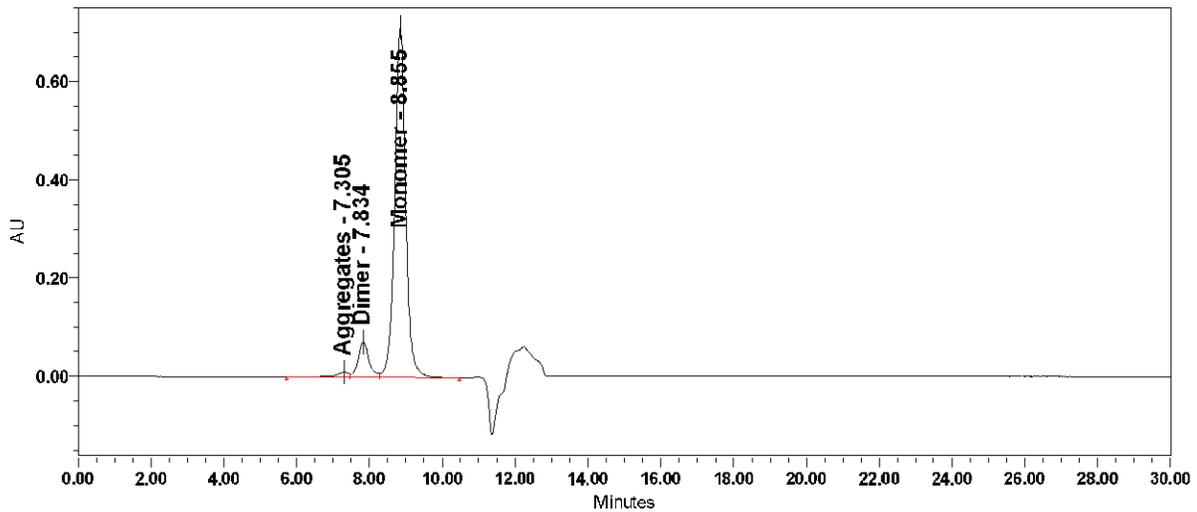
<b>Catalog Number:</b> 1248218
<b>Lot:</b> F04800
<b>Monograph:</b> Epoetin
<b>Publication:</b> PF – 41(5)
<b>Test:</b> Peptide Mapping
<b>Sample:</b> Standard solution



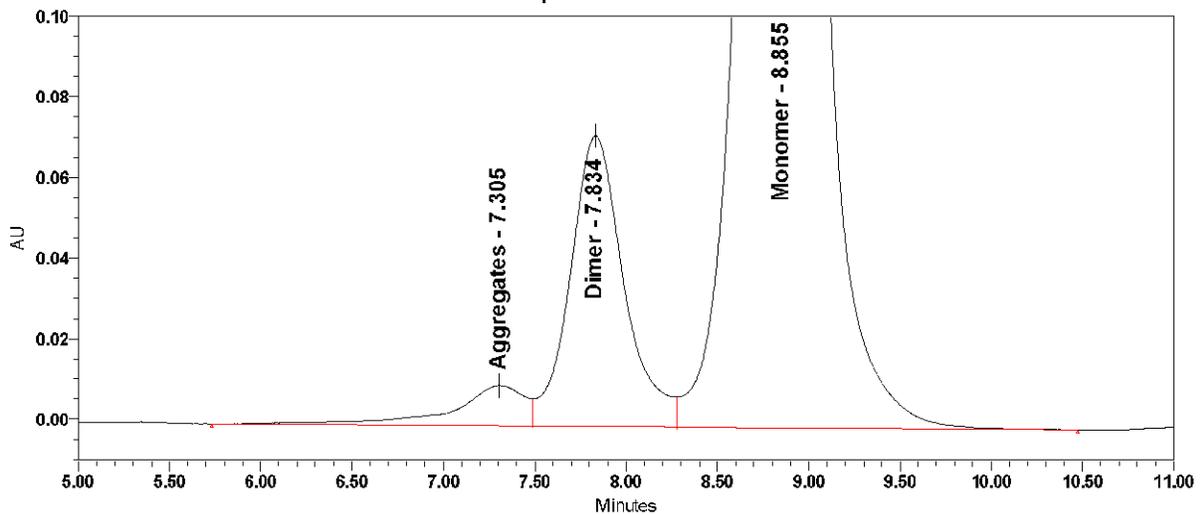
Major peptide peaks labeled 1 to 10

<b>Catalog Number:</b> 1248218
<b>Lot:</b> F04800
<b>Monograph:</b> Epoetin
<b>Publication:</b> PF – 41(5)
<b>Test:</b> Limit of High Molecular Weight Proteins
<b>Sample:</b> System suitability solution

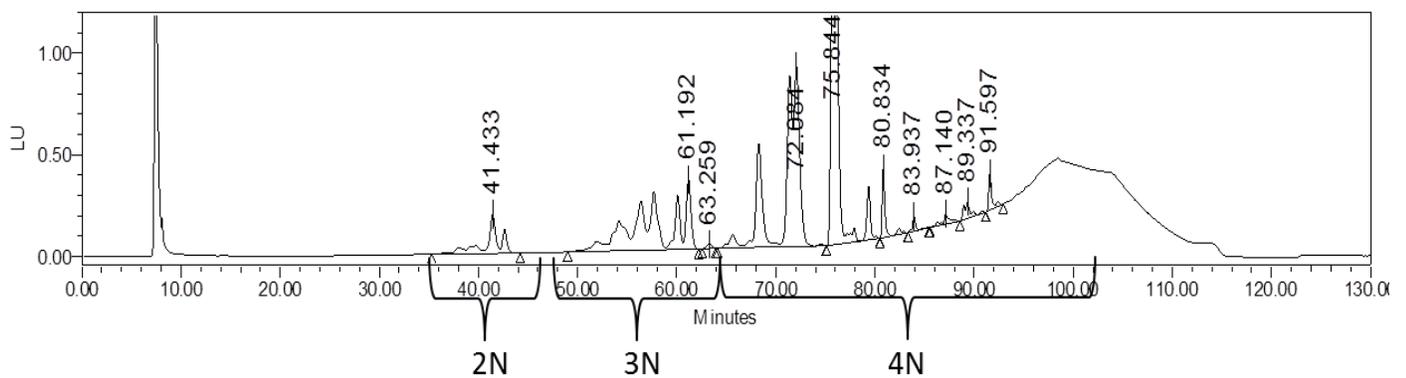
Full Scale Chromatogram



Expanded View



<b>Catalog Number:</b> 1248218
<b>Lot:</b> F04800
<b>Monograph:</b> Epoetin
<b>Publication:</b> PF – 41(5)
<b>Test:</b> N-Glycan Profiling
<b>Sample:</b> Standard solution

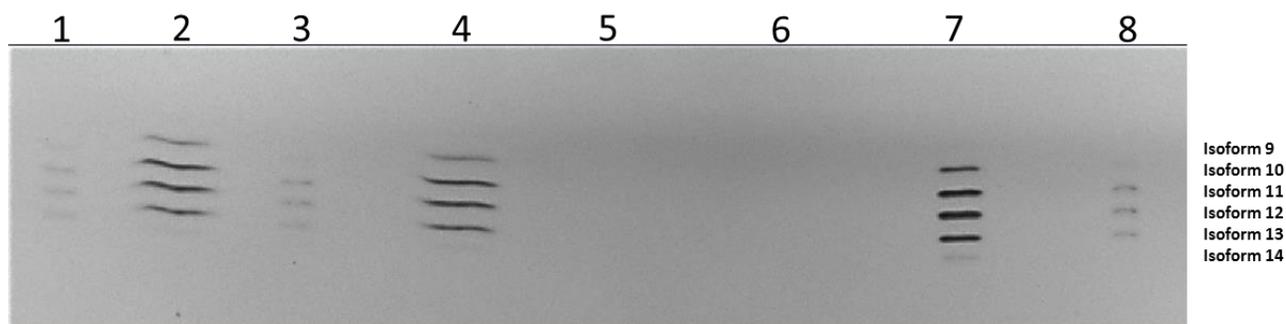


bi-sialylated (2 N), tri-sialylated (3 N), and tetra-sialylated (4 N) glycans

These chromatograms are supplied for information only, unless otherwise specified in an applicable monograph or general chapter.

# Typical Image

<b>Catalog Number:</b> 1248218
<b>Lot:</b> F04800
<b>Monograph:</b> Epoetin
<b>Publication:</b> PF – 41(5)
<b>Test:</b> Isoform Distribution
<b>Sample:</b> Standard solution



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