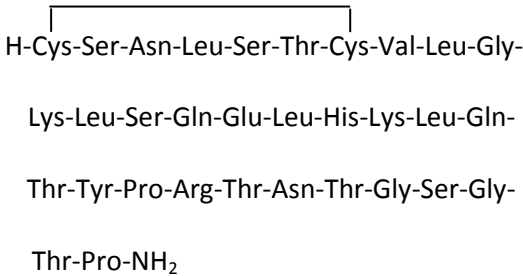


# Certificate

## CALCITONIN SALMON

USP Catalog No.:	1086200
USP Lot No.:	FOK101

<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">  <p>H-Cys-Ser-Asn-Leu-Ser-Thr-Cys-Val-Leu-Gly-</p> <p>Lys-Leu-Ser-Gln-Glu-Leu-His-Lys-Leu-Gln-</p> <p>Thr-Tyr-Pro-Arg-Thr-Asn-Thr-Gly-Ser-Gly-</p> <p>Thr-Pro-NH<sub>2</sub></p> </div>	CAS No.: <b>47931-85-1</b>
	Molecular Formula: <b>C<sub>145</sub>H<sub>240</sub>N<sub>44</sub>O<sub>48</sub>S<sub>2</sub></b>
	Molecular Weight: <b>3431.85</b>

### **Additional Information:**

For quantitative applications, the user should determine the water content titrimetrically at the time of use, and use the value as indicated on the label on the anhydrous basis. The labeled value is determined by mass balance, which has been corrected for chromatographic impurities, acetic acid, and residual solvents.

For qualitative applications, such as use for making system suitability solution, resolution solution, or standard solution for peptide mapping, use the material on the as is basis.

**LABEL TEXT**

For use with specified USP compendial tests. Not for use as a drug. MSDS available on [www.usp.org](http://www.usp.org).



# REFERENCE STANDARD

**CALCITONIN SALMON 20 mg**

Do not dry. For quantitative applications, determine the water content titrimetrically at the time of use, and use a value of 0.901 mg of calcitonin salmon per mg of material on the anhydrous basis. This is the recombinant form. Hygroscopic. Keep container tightly closed. Store in a freezer. Allow vial and contents to reach room temperature before opening. Protect from light.

**FOK101**



**CAT. NO.1086200 USP ROCKVILLE, MD LOT FOK101**

*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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USP Certificate

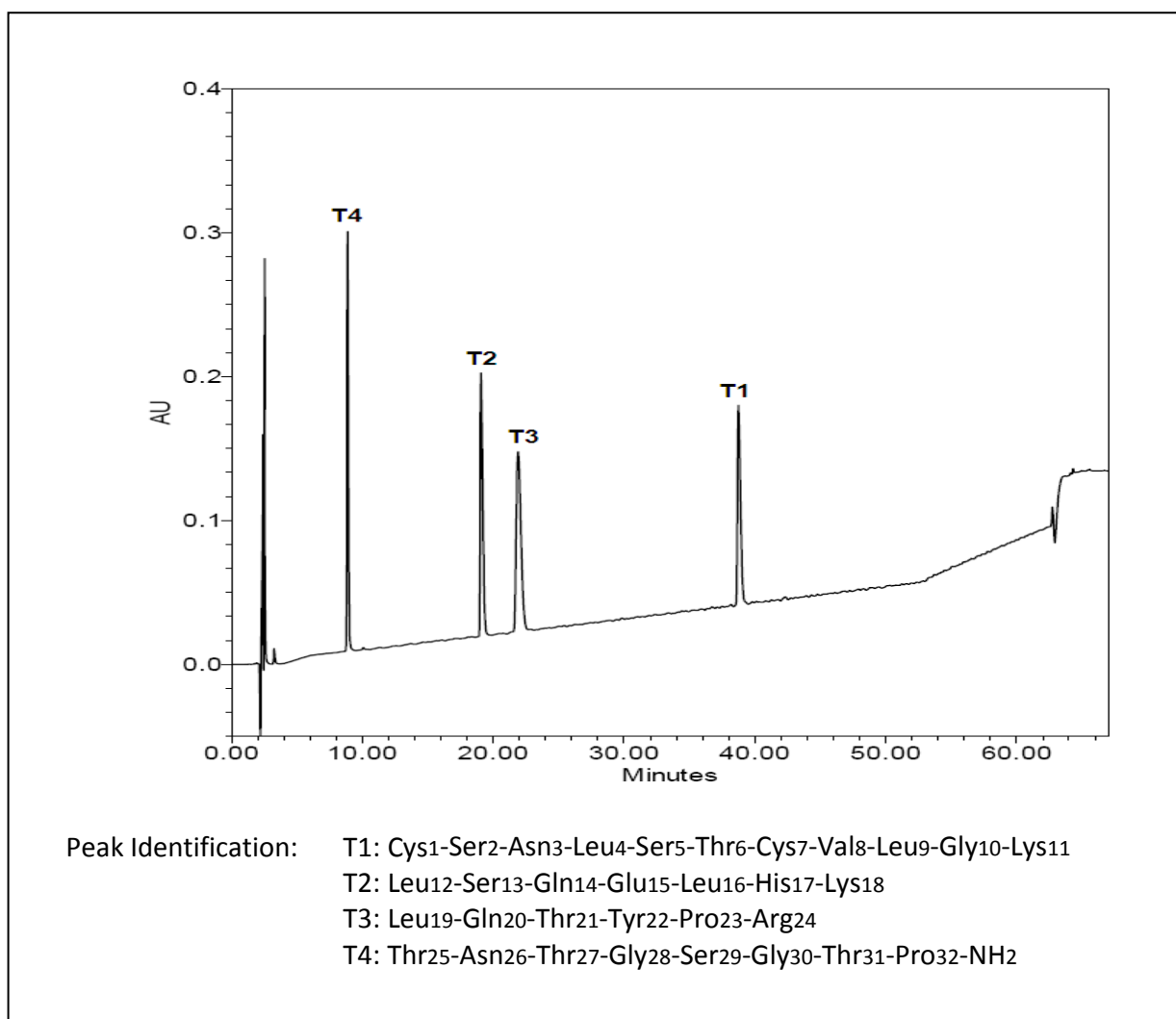
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Certificate Date: 10Jul2015  
USP Template No. CERT1\_4-03  
Effective 26Jan2015

# Typical Chromatogram

## USP Calcitonin Salmon RS

<b>Catalog Number:</b> 1086200
<b>Lot:</b> FOK101
<b>Monograph:</b> Calcitonin Salmon
<b>Publication:</b> USP38-NF33
<b>Test:</b> Peptide Mapping,
<b>Sample:</b> <i>Standard solution</i>



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