

**CERTIFICATE OF ANALYSIS**

|   |                   |               |
|---|-------------------|---------------|
| <b>Trypsin NB Premium Grade, MS approved</b><br>from porcine pancreas | <b>Cat. No. :</b> | <b>37284</b>  |
|   | <b>Lot. No. :</b> | <b>111095</b> |

| Parameter                        | Method   | Specification | Result   |
|----------------------------------|--|---------------|----------|
| <b>Sequence specificity</b>      | Digest of Insulin B chain (ox.)<br>HPLC analysis           | Must comply   | Complies |
| <b>Application (MS) approval</b> | In-gel digestion of BSA and<br>Mass spectrometric analysis | Must comply   | Complies |

**For customer information:**

|                           |                           |
|---------------------------|---------------------------|
| <b>Origin</b>             | Porcine pancreas          |
| <b>Molecular weight</b>   | 24 kDa (trypsin)          |
| <b>Appearance</b>         | White to off-white powder |
| <b>Purity (HPLC)</b>      | > 90%                     |
| <b>Tryptic activity</b>   | > 6.000 U/g lyophilisate  |
| <b>Minimum shelf life</b> | 12/ 2012                  |
| <b>Storage conditions</b> | -15 to -25 °C             |

**Sequence specificity assay:**

Detection of two distinct peaks in Reversed Phase HPLC after digestion of oxidized B-chain of insulin at 37 °C for 18 h.

**Application (MS) approval:**

In-gel digest and identification of BSA.

**Unit definition:**

**Tryptic activity:**

1 Unit catalyzes the hydrolysis of 1 µmol N $\alpha$ -Benzoyl-L-arginine -4-nitroanilide hydrochloride (BAPNA) per minute at 30 °C, pH 8.0.

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| <p>We do not guarantee that the product can be used for a special application.<br/>This document does not release you from performing the standard control upon receipt of incoming goods.</p> |
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**SERVA Electrophoresis GmbH**  
**Quality Control**

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Dipl.-Ing. (FH) Bernhard Göckel

Daniela Lux-Helmstetter

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