

**CERTIFICATE OF ANALYSIS**

<b>Trypsin NB Premium Grade, MS approved</b> from porcine pancreas	<b>Cat. No. :</b>	<b>37284</b>
	<b>Lot. No. :</b>	<b>130005</b>

Parameter	Method	Specification	Result
<b>Sequence specificity</b>	Digest of Insulin B chain (ox.) HPLC analysis	Must comply	Complies
<b>Application (MS) approval</b>	In-gel digestion of BSA and 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>	03/ 2014
<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.

<p>We do not guarantee that the product can be used for a special application. This document does not release you from performing the standard control upon receipt of incoming goods.</p>
--

**SERVA Electrophoresis GmbH**  
**Quality Control**

**Printing date:** 04.01.2013

Dipl.-Ing. (FH) Bernhard Göckel

Patricia Steinmann

This report has been computer generated and does not contain a signature.