

# 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>210189</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>	03.12.2022
<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.

**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.**

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

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Christian Monsler

Daniela Lux-Helmstetter

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