

# CERTIFICATE OF ANALYSIS

<b>Trypsin NB Premium Grade, MS approved</b> from porcine pancreas		Cat. No. : Lot. No. :	37284 130797
Parameter	Method	Specification	Result
Sequence specificity	Digest of Insulin B chain (ox.) HPLC analysis	Must comply	Complies
Application (MS) approval	In-gel digestion of BSA and Mass spectrometric analysis	Must comply	Complies
For customer information:			
Origin	Porcine pancreas		
Molecular weight	24 kDa (trypsin)		
Appearance	White to off-white powder		
Purity (HPLC)	> 90%		
Tryptic activity	> 6.000 U/g lyophilisate		
Minimum shelf life	03/ 2014		
Storage conditions	-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  $\mu$ mol 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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## Dipl.-Ing. (FH) Bernhard Göckel

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