

# CERTIFICATE OF ANALYSIS

<b>Trypsin, Peptide (TP) Standard</b> from porcine pancreas	<b>Cat. No. :</b> 37285 <b>Lot. No. :</b> 160074
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Parameter	Method	Specification	Result
Sequence specificity	Digest of Insulin B chain (ox.) HPLC 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>	17.08.2022
<b>Storage conditions</b>	-15 to -25 °C

### Specificity assay:

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

### 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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Christian Monsler

Daniela Lux-Helmstetter

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