CERTIFICATE OF ANALYSIS



ParameterMethodSpecificationResultSequence specificityDigest of Insulin B chain (ox.)Must complyCompliesApplication (MS) approvalIn-gel digestion of BSA and Mass spectrometric analysisMust complyCompliesFor customer information:Porcine pancreasMust complyCompliesOrigin90rcine pancreasYes to off-white powderYes to off-white powderPurity (HPLC)90%90%Yes to off-white powderYes to off-white powderMinimum shelf life15.03.2025Yes to off-white powderYes to off-white powder	Trypsin MS approved from porcine pancreas		Cat. No. : Lot. No. :	37286 220601
HPLC analysisApplication (MS) approvalIn-gel digestion of BSA and Mass spectrometric analysisMust complyCompliesFor customer information:OriginPorcine pancreasMolecular weight24 kDa (trypsin)AppearanceWhite to off-white powderPurity (HPLC)> 90%Tryptic activity> 6.000 U/g lyophilisate	Parameter	Method	Specification	Result
approvalMass spectrometric analysisFor customer information:OriginPorcine pancreasMolecular weight24 kDa (trypsin)AppearanceWhite to off-white powderPurity (HPLC)> 90%Tryptic activity> 6.000 U/g lyophilisate	Sequence specificity	-	Must comply	Complies
Molecular weight24 kDa (trypsin)AppearanceWhite to off-white powderPurity (HPLC)>90%Tryptic activity>6.000 U/g lyophilisate		0 0	Must comply	Complies
Molecular weight24 kDa (trypsin)AppearanceWhite to off-white powderPurity (HPLC)>90%Tryptic activity>6.000 U/g lyophilisate	For customer inform	nation:	ŚŚ	
AppearanceWhite to off-white powderPurity (HPLC)> 90%Tryptic activity> 6.000 U/g lyophilisate	Origin	Porcine pancreas	25	
Purity (HPLC)> 90%Tryptic activity> 6.000 U/g lyophilisate	Molecular weight	24 kDa (trypsin)		
Tryptic activity > 6.000 U/g lyophilisate	Appearance	White to off-white powder		
	Purity (HPLC)	> 90%		
Minimum shelf life 15.03.2025	Tryptic activity	> 6.000 U/g lyophilisate		
	Minimum shelf life	15.03.2025		
Storage conditions -15 to -25 °C	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 μ mol N α -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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Dr. Judith Koch

Daniela Lux-Helmstetter

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