

**CERTIFICATE OF ANALYSIS**

<b>Trypsin 1:250 from bovine pancreas lyophil.</b>	<b>Cat.No. : 37289</b>
	<b>Contr.No. : 111663</b>

Parameter	Method	Specification	Result
<b>Appearance</b>		white lyophilisate	corresponds
<b>Activities:</b>			
<b>Trypsin (U/mg)</b>	Bergmeyer		2.7
<b>Trypsin (NF/USP U/mg)</b>	USP	≥ 250	276.9
<b>Chymotrypsin (U/mg)</b>			0.004
<b>Chymotrypsin (NF/USP U/mg)</b>	USP	≤ 75	63.7
<b>Microbiological analysis</b>	Total viable count	≤ 10 000 cfu/g	corresponds
	Pseudomonas aeruginosa	negative	corresponds
	Salmonella species	negative	corresponds
	Staphylococcus aureus	negative	corresponds
	E.coli	negative	corresponds
<b>Application</b>		suitable for cell culture	
<b>Minimum shelf life</b>			12/ 2013
<b>Storage (°C)</b>			-15 bis/ to -25

**Unit definitions**

**Trypsin**

1 U catalyzes the hydrolysis of 1 µmol N-α-benzoyl-L-arginine ethyl ester (BAEE) per minute at 25°C, pH 8.0.

**Proteinase**

1 DMC-U catalyzes the hydrolysis of 1 µmol dimethylcasein per minute at 25°C, pH 7.0.

The liberated amino groups are determined with 2,4,6 trinitrobenzene sulfonic acid.

**Chymotrypsin**

1 U catalyzes the hydrolysis of 1 µmol glutaryl-L-Phe-4-nitroanilide per minute at 25°C, pH 7.6.

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

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Dipl.-Ing. (FH) Bernhard Göckel

Daniela Lux-Helmstetter

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