

# CERTIFICATE OF ANALYSIS

<b>Proteinase K from Tritirachium album</b> solution 20 mg solid/ml, min. 600 U/ml	<b>Cat.No. : 33755</b> <b>Contr.No.: P140337</b>
---	---

Parameter	Method	Specification	Result
<b>Molecular weight</b>		ca. 28 000	
<b>Appearance</b>		colorless solution in 50% glycerol, cont. 20mM Tris, 1mM CaCl <sub>2</sub> , pH ca.7.4	corresponds
<b>Activity (U/ml)</b>	milliAnson	min. 600	corresponds
<b>Activity (U/mg solid)</b>	DMC U/mg solid determined with TNBS	min. 8	15.7
<b>Concentration (mg solid/ml)</b>		20	20
<b>Extraneous activities</b>	DNase RNase	not detectable not detectable	corresponds corresponds
<b>Minimum shelf life</b>			27.04.2018
<b>Storage (°C)</b>			-15 to -25

## Unit definitions

One mAnson-Unit is that amount of enzyme which liberates Folin-positive amino acids and peptides, corresponding to 1  $\mu$ mol tyrosine per minute at 37°C and pH 7.4 using urea-denaturated hemoglobin as substrate.

One DMC-Unit is that amount of enzymatic activity which catalyzes the cleavage of 1  $\mu$ equivalent peptide bond from dimethylcasein per minute at 25°C, pH 7.0, expressed in terms of the appearance of new terminal amino groups.

<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>
---

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

**Printing date:** 01.03.2017

Dipl.-Ing. (FH) Bernhard Göckel

Daniela Lux-Helmstetter

This report has been computer generated and does not contain a signature.