

**CERTIFICATE OF ANALYSIS**

<b>Proteinase K from Tritirachium album</b> solution 20mg/ml	<b>Cat.No. : 33755</b> <b>Contr.No.: 120257</b>
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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</b>	DMC U/mg determined with TNBS	min. 8	11.3
	mAnson U/mg	min. 30	35
<b>Protein concentration (mg/ml)</b>		≥ 20	22
<b>Extraneous activities</b>	DNase	not detectable	corresponds
	RNase	not detectable	corresponds
<b>Minimum shelf life</b>			08/ 2013
<b>Storage (°C)</b>			-15 to -25

**Unit definition**

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

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

<p>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.</p>
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**SERVA Electrophoresis GmbH**  
**Quality Control**

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