

# CERTIFICATE OF ANALYSIS

<b>Proteinase K from Tritirachium album</b>	<b>Cat.No. : 33755</b>
solution 20 mg solid/ml, min. 600 U/ml	<b>Contr.No.: P160080</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	13.4
<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>			24.02.2018
<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

**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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