

## CERTIFICATE OF ANALYSIS

**Proteinase K from Tritirachium album**  
solution 20 mg solid/ml, min. 600 U/ml

**Cat.No. : 33755**  
**Contr.No.: P200312**

Parameter	Method	Specification	Result
<b>Molecular weight</b>	Proteinase K	ca. 28 000	
<b>Appearance</b>		colorless solution in 50 % glycerol, cont. 20 mM Tris, 1 mM CaCl <sub>2</sub> , pH ca. 7.4	corresponds
<b>Activity (U/ml)</b>	milliAnson	min. 600	corresponds
<b>Concentration (mg solid/ml)</b>		20	20
<b>UV/Vis-spectrum</b>		correspond to reference	corresponds
<b>Extraneous activities</b>	DNase RNase	not detectable not detectable	corresponds corresponds
<b>Minimum shelf life</b>			03.09.2022
<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 µmol tyrosine per minute at 37°C and pH 7.4 using urea-denaturated hemoglobin as substrate.

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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