

# CERTIFICATE OF ANALYSIS

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

**Cat.No. : 33755**  
**Contr.No.: P230378**

| Parameter                              | Method         | Specification   | Result                     |
|--|----------------|---|----------------------------|
| <b>Molecular weight</b>                | Proteinase K   | ca. 28 000  |                            |
| <b>Appearance</b>                      |                | colorless solution in<br>50 % glycerol, cont.<br>20 mM Tris, 1 mM<br>CaCl <sub>2</sub> , pH ca. 7.4 | corresponds                |
| <b>Activity (U/ml)</b>                 | milliAnson     | min. 600  | corresponds                |
| <b>Concentration<br/>(mg solid/ml)</b> |                | 20  | 20                         |
| <b>UV/Vis-spectrum</b>                 |                | correspond to reference   | corresponds                |
| <b>Extraneous activities</b>           | DNase<br>RNase | not detectable<br>not detectable  | corresponds<br>corresponds |
| <b>Minimum shelf life</b>              |                |   | 28.10.2024                 |
| <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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