

CERTIFICATE OF ANALYSIS

Proteinase K from Tritirachium album solution 20 mg solid/ml, min. 600 U/ml	Cat.No. : 33755 Contr.No.: P170116
---	---

Parameter	Method	Specification	Result
Molecular weight		ca. 28 000	
Appearance		colorless solution in 50% glycerol, cont. 20mM Tris, 1mM CaCl ₂ , pH ca.7.4	corresponds
Activity (U/ml)	milliAnson	min. 600	corresponds
Activity (U/mg solid)	DMC U/mg solid determined with TNBS	min. 8	13.6
Concentration (mg solid/ml)		20	20
Extraneous activities	DNase RNase	not detectable not detectable	corresponds corresponds
Minimum shelf life			16.03.2019
Storage (°C)			-15 to -25

Unit definitions

One mAnson-Unit is that amount of enzyme which liberates Folin-positive amino acids and peptides, corresponding to 1 μ 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 μ equivalent peptide bond from dimethylcasein per minute at 25°C, pH 7.0, expressed in terms of the appearance of new terminal amino groups.

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

Printing date: 21.03.2017

Dipl.-Ing. (FH) Bernhard Göckel

Christian Monsler

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