

CERTIFICATE OF ANALYSIS

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

Cat.No. : 33755
Contr.No.: P140283

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	14.8
Concentration (mg solid/ml)		20	20
Extraneous activities	DNase RNase	not detectable not detectable	corresponds corresponds
Minimum shelf life			03/ 2015
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 µmol 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 µequivalent 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

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