

Product Specification

Product Name: Proteinase K recombinant $\geq 30\text{U}/\text{mg}$ *opti
Tritirachium album expressed in Pichia pastoris
Endopeptidase K; Tritirachium album serine proteinase

Item Nr.: 1244 MW: 28.9 kDa 277 amino acids
CAS Nr.: 39450-01-6 E.C.Nr.: 3.4.21.14 EINECS: 254-457-8

Parameter	Method	Specification	Unit
Appearance	visual	white lyophilisate	
Solubility	0.0125% H ₂ O	soluble	
Clarity of solution	Nephelometry	0	NTU
Coloration of sol.	Gardner	1	
Activity	determined by appearance of Folin-positive amino acids released from denatured hemoglobin in 1 min at pH 7.5, 37 °C dry weight	>30.0	mAnsonU/ mg
Specific activity	calculated on protein	>40.0	mAnsonU/ mg
DNase	DNA	not detectable	
RNase	RNA	not detectable	
DNA Content	acc. to EP monogr. 0784	<10.0	pg/mg enz.

Storage: Keep well closed at -20°C dark and dry. Avoid freeze-thaw-cycles. No adverse effect of ambient temperature in transit.

For professional use only. Not intended for pharmaceutical use. We do not warrant suitability for any particular application. Consult Safety Data Sheet.

Version/Latest update: 04/12.04.2022