

## Certificate of Analysis

<b>PRODUCT:</b>	<b>Proteinase K, <i>Tritirachium album</i></b> [Endopeptidase K] M.W. 28,500; CAS# [39450-01-6]; E.C. # 3.4.21.14
<b>PRODUCT NUMBER:</b>	P-1265
<b>LOT NUMBER:</b>	K1109G
<b>APPEARANCE:</b>	White to off-white lyophilized solid
<b>SOLUBILITY:</b>	50mM Tris-HCl, 2mM calcium acetate, pH 8.0
<b>ACTIVITY:</b>	38.6 U/mg (≥30.0 U/mg)
<b>SPECIFIC ACTIVITY:</b>	42.0 U/mgP (≥40.0 U/mgP)
<b>UNIT DEFINITION:</b>	One unit is defined as the amount of enzyme that will liberate 1.0 μmol tyrosine from casein per minute at 37°C, pH 7.5.
<b>RNase ACTIVITY:</b>	None detected
<b>DNase ACTIVITY:</b>	None detected
<b>RECERTIFICATION DATE:</b>	March 2022
<b>MANUFACTURE DATE:</b>	March 2019
<b>STORAGE &amp; HANDLING:</b>	Store desiccated at +4°C. Store in tightly sealed vial. <b><u>WARNING: HARMFUL! IRRITANT!</u></b>

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: PR