3050 Spruce Street, Saint Louis, MO 63103, USA Website: www.sigma-aldrich.com Email USA: techserv@sial.com Outside USA: eurtechserv@sial.com

## **Certificate of Analysis**

## Product Name :

Proteinase K from Tritirachium album lyophilized powder, Molecular Biology, BioUltra, ≥30 units/mg protein

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Product Number :	P2308-BULK	
Batch Number :	0000456396	
CAS Number :	39450-01-6	
MDL Number :	MFCD00132129	
Storage Temperature :	-20°C	
Recommended Retest Date :	May 2027	
Quality Release Date :	09 Jun 2025	

Test	Specification	Result
Appearance (Color)	White to Off White	Off White
Appearance (Form)	Powder	Powder
Protein by Biuret	≥ 90 %	97 %
units/mg Protein	≥ 30	36
One unit will hydrolzye urea denatured hemoglobin to produce color equivalent to 1.0 micromole of tyrosine per minute at pH 7.5, 37 deg C (color per Folin-Ciocalteu reagent).		
DNA Content	≤ 1 ppm	0 ppm
DNase, Exonuclease Detection	None Detected	None Detected
by agarose gel (200 ug/mL)		
NICKase, Endonuclease Detection	None Detected	None Detected
by agarose gel (200 ug/mL)		
RNase Detection	None Detected	None Detected
by PAGE (200 ug/mL)		

Anna Bendersky, Quality Control Manager Quality Control Israel IL

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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Product Batch P2308-BULK 0000456396

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