

Certificate of Analysis

Product Name :

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

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 hydrolyze 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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