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Product Specification

Product Name:

Proteinase K from Tritirachium album – lyophilized powder, BioUltra, ≥30 units/mg protein, for molecular biology

Product Number:

P2308

CAS Number:

39450-01-6

MDL:

MFCD00132129

Storage Temperature:

-20 °C

TEST

Specification

Appearance (Color)

White to Off White

Appearance (Form)

Powder

Protein by Biuret

≥ 90 %

units/mg Protein

≥ 30

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

DNase, Exonuclease Detection

None Detected

by agarose gel (200 ug/mL)

NICKase, Endonuclease Detection

None Detected

by agarose gel (200 ug/mL)

RNase Detection

None Detected

by PAGE (200 ug/mL)

Recommended Retest Period

2 Years

Specification: PRE.1.ZQ5.10000018210

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. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.