



CERTIFICATE OF ANALYSIS
PRODUCT NAME: KRAKATOA
REFERENCE NUMBER: CB23726
LOT NUMBER: 855840.15

SPECIFICATIONS:

VISUAL: Clear aqueous solution

ACTIVITY*: 10 HUT/ μ L

PURITY: \geq 99% of detectable protease activity on a gelatin zymogram⁺

SHELF LIFE: > 2 years at ambient temperature in a pH3 aqueous solution

RESULTS:

VISUAL: Clear aqueous solution

ACTIVITY*: 10.86 HUT/ μ L

PURITY: 99% of detectable protease activity on a gelatin zymogram⁺

SHELF LIFE: > 2 years at ambient temperature in a pH3 aqueous solution

*1 HUT of activity is defined as the amount of enzyme that will release 1 micro- mole of tyrosine equivalents at 80°C, pH 3, in 15-minutes with a hemoglobin substrate (M.L. Anson, The Estimation of Pepsin, Trypsin, Papain, and Cathepsin with Hemoglobin, J Gen Physiol 22(1) (1938) 79-89)

⁺Zymography was performed using a 0.1% gelatin substrate concentration, incubated for 18 hrs at pH3 with at least 100HUTs loaded onto the gel

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