



**CERTIFICATE OF ANALYSIS**  
**PRODUCT NAME:** VESUVIUS  
**REFERENCE NUMBER:** CB14057  
**LOT NUMBER:** 1212276.2

**SPECIFICATIONS:**

VISUAL: Clear aqueous solution

ACTIVITY\*: 30 U/  $\mu$ L

PURITY:  $\geq$  99% of detectable protease activity on a gelatin zymogram<sup>+</sup>

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

**RESULTS:**

VISUAL: Clear aqueous solution

ACTIVITY\*: 36.76 U/  $\mu$ L

PURITY: 99% of detectable protease activity on a gelatin zymogram<sup>+</sup>

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

\*1 U 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\*

<sup>+</sup>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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