

## Protease (Subtilisin A from *Bacillus licheniformis*)

08/23

**Non-recombinant**

**E-BSPRT-A-100ML**

EC: 3.4.21.62

Synonyms: subtilisin; subtilisin A

CAS: 9014-01-1

Refer to the product lot number Certificate of Analysis for lot specific properties.

### PROPERTIES

**1. ELECTROPHORETIC PURITY:**

- Single major band on SDS-PAGE (MW = 30,250); minor bands at MW < 30,000
- Single major band on isoelectric focusing (pI 8.8); minor band at pI 9.3

**2. PHYSICOCHEMICAL PROPERTIES:**

pH Optima:	7.0-7.5 (60% of maximal activity at pH 6.0)
pH Stability:	5.5-10.0
Temperature Optima:	60°C
Temperature Stability:	< 60°C

**3. STORAGE CONDITIONS:**

The enzyme is supplied as a solution in 50% glycerol, 10% KCl and 0.09% (w/v) sodium azide and should be stored at 4°C (or below -10°C for long-term storage i.e 2-5 years).

The concentration of enzyme as supplied is 25 mg/mL (i.e. 175 U/mL) at 40°C.

This enzyme is recommended for use with the ANKOM<sup>TDF</sup> Dietary Fiber Analyzer.