

Protease (Subtilisin A from *Bacillus licheniformis*)

08/23

Non-recombinant**E-BSPRT-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 0.02% 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 50 mg/mL (i.e. 350 U/mL) at 40°C.

This enzyme is recommended for use in AOAC INTERNATIONAL **Total Dietary Fiber** analytical procedures.