

Protease (Subtilisin A from *Bacillus licheniformis*)

08/23

Non-recombinant

E-BSPRT-40ML

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.