

***endo*-POLYGALACTURONANASE M2 from *A. niger* (Lot 00304)**

E-PGALUSP

06/03

PROPERTIES

1. ELECTROPHORETIC PURITY

- Major band on SDS-gel electrophoresis (MW = 42,000); very minor bands at 24,000 and 20,000.
- Single major band on isoelectric focusing (pI 4.8).

2. SPECIFIC ACTIVITY AND LEVEL OF OTHER ACTIVITIES

| SUBSTRATE | SPECIFIC ACTIVITY (U/mg Protein) |
|---|-------------------------------------|
| Polygalacturonic acid (<i>endo</i> -polygalacturonanase) | 280 |
| Galactazyme Tablets (<i>endo</i> -Galactanase) | 0.006 |
| Arabinazyme Tablets (<i>endo</i> -Arabinanase) | 0.002 |
| <i>p</i> -NP- -L-arabinofuranoside (arabinofuranosidase) | 0.0003 |

3. PHYSICOCHEMICAL PROPERTIES

| | | | |
|-------------|------|----------------|---------|
| pH Optima | 5.5 | pH stability | 4.0-6.0 |
| Temp Optima | 40°C | Temp stability | < 45°C. |

4. STORAGE CONDITIONS

The enzyme is supplied as an ammonium sulphate suspension in 0.02% sodium azide and should be stored at 4°C.

5. SDS-PAGE of polygalacturonanases

A. Polygalacturonanase M2 (Cat no. E-PGALUSP)

B. Polygalacturonanase M1 (Cat no. E-PGALS)

C. Molecular weight standards.

