



endo-POLYGALACTURONANASE M1 from *A. niger* (Lot MPG00301)

E-PGALS

06/03

PROPERTIES

1. ELECTROPHORETIC PURITY

- Single major band on SDS-gel electrophoresis (MW = 36,000); minor band 33,000.
- Single major band on isoelectric focusing (pI 5.5); minor bands at pI 4.8-5.4.

2. SPECIFIC ACTIVITY AND LEVEL OF OTHER ACTIVITIES

SUBSTRATE	SPECIFIC ACTIVITY (U/mg Protein)
Polygalacturonic acid (<i>endo</i> -polygalacturonanase)	800
Galactan from potato fibre (<i>endo</i> -Galactanase)	0.010
CM-Linear Arabinan (<i>endo</i> -Arabinanase)	0.03
Citrus pectin (pectin transeliminase)	0.008
<i>p</i> -NP- -L-arabinofuranoside (arabinofuranosidase)	0.002
<i>p</i> -NP- -D-Galactoside (-Galactosidase)	0.04

3. PHYSICOCHEMICAL PROPERTIES

pH Optima	4.0	pH stability	3.0-7.0
Temp Optima	50°C	Temp stability	< 50°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.