



endo- α -MANNANASE from *Aspergillus niger* (Lot 00801)

E-BMANN

06/03

PROPERTIES

1. ELECTROPHORETIC PURITY

- Single band on SDS-gel electrophoresis (MW = 48,000)
- Single major band on Isoelectric focusing (pI=3.6).

2. SPECIFIC ACTIVITY AND LEVEL OF OTHER ACTIVITIES

SUBSTRATE	SPECIFIC ACTIVITY (U/mg protein)
Carob galactomannan (2 mg/ml, pH 4.0, 40°C)	45
CMC4M	0.70
Xylan	0.001
<i>p</i> -NP- -galactoside	0.008
<i>p</i> -NP- -galactoside	0.002
<i>p</i> -NP- -mannoside	0.0001
<i>p</i> -NP- -glucoside	0.0002
<i>p</i> -NP- -glucoside	0.03
<i>p</i> -NP- -xyloside	0.005
Azo-albumin	undetectable

3. PHYSICOCHEMICAL PROPERTIES

pH Optima	3.0.	pH Stability	3.0-8.0.
Temperature Optima	60°C.	Temperature Stability	<70°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.