



-XYLANASE M3 (from *T. longibrachiatum*) (Lot 50702)

E-XYTR3

06/03

PROPERTIES

1. ELECTROPHORETIC PURITY

- Single band on Isoelectric focusing (pI ~ 9.0).
- Single band on SDS-gel electrophoresis (MW = 20,000)

2. SPECIFIC ACTIVITY AND LEVEL OF OTHER ACTIVITIES

SUBSTRATE	SPECIFIC ACTIVITY (U/mg Protein)
Wheat arabinoxylan	274
CM-Cellulose 4M	104
CM-Cellulose 7M	7.4
Barley β -Glucan	133
Carob Galactomannan	< 0.001
Starch	< 0.001
<i>p</i> -Nitrophenyl -L-arabinofuranoside	< 0.13
<i>p</i> -Nitrophenyl β -xyloside	< 0.004

3. PHYSICOCHEMICAL PROPERTIES

pH Optima	6.0
pH Stability	3.0-8.0
Temperature Optima	50°C
Temperature Stability	<55°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.