

AMYLOGUCOSIDASE (*Aspergillus niger*) POWDER

08/23

Non-recombinant

E-AMGDFPD

EC: 3.2.1.3

Synonyms: 4-alpha-D-glucan glucohydrolase; glucoamylase

CAZy Family: GH15

Refer to the product lot number Certificate of Analysis for lot specific properties.

PROPERTIES

1. ELECTROPHORETIC PURITY:

- Single band on isoelectric focusing (pI ~ 4.0)
- Single major band on SDS-gel electrophoresis (MW ~ 143,500)

2. PHYSICOCHEMICAL PROPERTIES:

pH Optima:	4.0
pH Stability:	4.0-5.5
Temperature Optima:	70°C
Temperature Stability:	< 60°C

3. STORAGE CONDITIONS:

The enzyme is supplied as a powder and should be stored below -10°C.

This enzyme is recommended for use in **Total Dietary Fiber** analytical procedures and the **Megazyme Total Starch test method**. It has been specifically produced for use in AOAC Method 2001.03 which must be free from glycerol. This enzyme is used in combination with thermostable α -amylase (Cat. no. **E-BLAAM**, except E-BLAAM-A-100ML) and protease (Cat. no. **E-BSPRPD**) which also are free of glycerol. The preparation is effectively devoid of cellulase and is free of catalase.