Creative Enzymes
Diagnostic Enzymes

High Purity Amyloglucosidase

Product Information

Cat#	DIA-505
Source	Aspergillus niger
Description	High purity amyloglucosidase from Aspergillus niger for use in research, biochemical enzyme assays and analytical testing applications.
Form	Solution
CAS No.	9032-08-0
Activity	~ 200 U/mL (40 °C, pH 4.5 on p-nitrophenyl β-maltoside) ~ 3,260 U/mL (40 °C, pH 4.5 on soluble starch)
Unit Definition	One unit of amyloglucosidase activity is defined as the amount of enzyme required to release one µmole of D-glucose reducing-sugar equivalents per minute from soluble starch at pH 4.5 and 40 °C.
Storage	2–8 °C
Synonyms	Glucan 1,4-α-glucosidase; 4-α-D-glucan glucohydrolase; glucoamylase
Enzyme Commission Number	EC 3.2.1.3
Stability	> 1 year under recommended storage conditions
Optimum temperature	70 °C
Buffer	50% (v/v) glycerol
Applications	Applications for the measurement of starch and dietary fiber in the food and feeds industry.
Molecular Weight	143500 Da
Specificity	Hydrolysis of terminal α-1,4 and α-1,6 D-glucose residues successively from non-reducing ends of maltodextrins.

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