

Amyloglucosidase from *Aspergillus niger* (Powder)

Product Information

Cat#	DIA-507
Source	<i>Aspergillus niger</i>
Description	High purity amyloglucosidase (<i>Aspergillus niger</i>) for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Lyophilised powder
ECNumber	3.2.1.3
Activity	~ 26,000 U/g (40 °C, pH 4.5, soluble starch as substrate) ~ 2,260 U/g on p-nitrophenyl β -maltoside
Optimum pH	4
Optimum temperature	70 °C
Stability	> 1 year under recommended storage conditions
Unit Definition	One unit of amyloglucosidase activity is defined as the amount of enzyme required to release one μ mole of D-glucose reducing-sugar equivalents per minute from soluble starch at pH 4.5 and 40 °C.
Storage	Below -10 °C
Synonyms	Glucan 1,4- α -glucosidase; 4- α -D-glucan glucohydrolase; glucoamylase
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.