

## High Purity Amyloglucosidase from Rhizopus sp.

### Product Information

<b>Cat#</b>	DIA-509
<b>Source</b>	Rhizopus sp.
<b>Description</b>	High purity amyloglucosidase from Rhizopus sp. for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
<b>Form</b>	Lyophilized powder
<b>CAS No.</b>	9032-08-0
<b>Activity</b>	~ 35 U/mg (40 °C, pH 4.5 on soluble starch)
<b>Unit Definition</b>	One unit of amyloglucosidase activity is defined as the amount of enzyme required to release one $\mu$ mole of D-glucose reducing-sugar equivalents per minute from soluble starch at pH 4.5 and 40 °C.
<b>Storage</b>	Below -10 °C
<b>Synonyms</b>	Glucan 1,4- $\alpha$ -glucosidase; 4- $\alpha$ -D-glucan glucohydrolase; glucoamylase
<b>Enzyme Commission Number</b>	EC 3.2.1.3
<b>Stability</b>	> 1 year under recommended storage conditions
<b>Optimum pH</b>	5.5
<b>Optimum temperature</b>	60 °C
<b>Applications</b>	Applications for the measurement of starch and dietary fiber in the food and feeds industry.
<b>Molecular Weight</b>	68000 Da
<b>Specificity</b>	Hydrolysis of terminal $\alpha$ -1,4 and $\alpha$ -1,6 D-glucose residues successively from non-reducing ends of maltodextrins.