



Creative Enzymes

Diagnostic Enzymes

High Purity Alpha-Amylase from *Aspergillus oryzae*

Product Information

Cat#	DIA-495
Source	<i>Aspergillus oryzae</i>
Description	High purity α -amylase from <i>Aspergillus oryzae</i> for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Suspension
CAS No.	9000-90-2
Activity	~ 120 U/mg (40 °C, pH 5.4 on Ceralpha reagent)
Unit Definition	One unit of α -amylase is the amount of enzyme required to release one μ mole of p-nitrophenol from blocked p-nitrophenyl-maltoheptaoside per minute (in the presence of excess α -glucosidase), pH 5.4 at 40 °C.
Storage	4 °C
Synonyms	α -amylase; 4- α -D-glucan glucanohydrolase
Enzyme Commission Number	EC 3.2.1.1
Stability	> 1 year under recommended storage conditions
Optimum temperature	50 °C
Buffer	3.2 M ammonium sulphate
Molecular Weight	54000 Da
Concentration	~ 1000 U/mL
Specificity	Endo-hydrolysis of α -1,4-D-glucosidic linkages in starch.

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