

High Purity Alpha-Amylase from *Bacillus licheniformis*

Product Information

Cat#	DIA-496
Source	<i>Bacillus licheniformis</i>
Description	High purity α -amylase from <i>Bacillus licheniformis</i> for use in research, biochemical enzyme assays and in vitro diagnostic analysis.
Form	Stabilised solution
CAS No.	9000-90-2, 9000-85-5
Activity	~ 55 U/mg (40 °C, pH 6.5 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) at pH 6.0 and 40 °C.
Storage	2–8 °C
Synonyms	α -amylase; 4- α -D-glucan glucohydrolase
Enzyme Commission Number	EC 3.2.1.1
Stability	> 4 years at 4 °C
Optimum temperature	75 °C
Molecular Weight	58000 Da
Specificity	Endo-hydrolysis of α -1,4-D-glucosidic linkages in starch.