

质量报告单  
**CERTIFICATE OF ANALYSIS**

Product name	ISOAMYLASE	
CAS No.	9067-73-6	
Specific activity and level of other activities	<p><b>140 U/mg protein (on oyster glucogen) at pH 6.0 (with 1mM CaCl<sub>2</sub>) and 40°C</b></p> <p>One Unit of isoamylase activity is defined as the amount of enzyme required to release one <math>\mu</math> mole of glucose reducing sugar equivalents per minute from oyster glycogen (10 mg/mL) in MES buffer (100 mM, pH 6.0) plus 1 mM CaCl<sub>2</sub> at 40°C.</p>	
Enzyme Activity	Substrate	Activity, %
Isoamylase	Oyster glycogen (10 mg/mL)	100
Isoamylase	Amylopectin (5 mg/mL)	35
$\alpha$ -Amylase	Reduced maltoheptaose	< 0.0004
Maltase	Maltose	< 0.0003
exo- $\alpha$ -Glucanase	Linear- $\alpha$ -1,4-maltodextrins	< 0.0004
$\alpha$ -Glucosidase	p-NP- $\alpha$ -glucoside	< 0.0004
Ceralpha Reagent	Benzylidene blocked pNP maltoheptaoside	~ 0.25 <sup>a</sup>
Conclusion	Qualified	



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