

<b>Product:</b>	<b>GLUCOSE OXIDASE</b>		
<b>Product code:</b>	<b>GO2BS</b>		
<b>E.C. number:</b>	1.1.3.4		
<b>CAS number:</b>	9001-37-0		
<b>EINECS number:</b>	232-601-0		
<b>Systematic name:</b>	$\beta$ -D-Glucose:oxygen 1-oxidoreductase		
<b>Alternative name:</b>	Glucose oxyhydrase		
<b>Source:</b>	<i>Aspergillus niger</i>		
<b>Form:</b>	A freeze-dried material		
<b>Storage conditions:</b>	Store desiccated at -15°C or below. Allow to come to room temperature before opening. Before returning to storage, re-desiccate under vacuum over silica gel for a minimum of four hours. Re-seal before returning to -15°C or below.		
<b>Unit definition:</b>	That amount of enzyme causing the oxidation of one micromole of glucose per minute at 25°C and pH 7.0.		
<b>Activity:</b>	Not less than <b>180U/mg material</b> (approximately 350U/mg protein)		
<b>Solubility:</b>	Dissolves readily at 5mg/ml in 0.1M potassium phosphate buffer, pH 7.0, to give a clear, yellow solution.		
<b>Contaminants:</b>	Specification	GO/CAT ratio: <b>greater than 2,000</b>	
	<b>Typical Values</b>	<b>Not reported on CoA</b>	
		$\alpha$ -amylase	less than 0.05%
		Saccharase	less than 0.5%
		Maltase	less than 0.05%