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Certificate of Analysis

Product: Sucrase (from yeast)
Cat. No: E-SUCR
Lot. No: 221101
Expiry Date: December, 2026

Specific activity and level of other activities:

23 U/mg protein (on Sucrose) at pH 6.8 and 30°C
One Unit of sucrase activity is defined as the amount of enzyme required to release one µmole of glucose per minute from sucrose (10 mg/mL) in sodium maleate buffer (100 mM), pH 6.8 at 30°C.

Substrate	%
Sucrose	*100*
Maltose	*~ 95*
*p*NP-α-Glucoside	~ 586
Kestose & Kestotetraose	< 0.025
*p*NP-β-Glucosidase	< 0.0045
*p*NP-α-Galactoside	< 0.0045
*p*NP-β-Galactoside	< 0.0045
Blocked *p*NP-Maltoheptaose	< 0.0045

Action on *p*NP-substrates and polysaccharides or oligosaccharides was determined at a final substrate concentration of 5 mM and 5 mg/mL, respectively, in sodium maleate buffer (100 mM), pH 6.8 at 30°C.

This lot meets our specification.

Signature: Ciara McLoughlin **Date:** 22.Dec.2022

Ciara McLoughlin

QC Specialist

(*as this certificate is a computer printout, it has not been signed or dated by hand*)

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