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Certificate of Analysis

Product: β-Glucuronidase (*Escherichia coli*)
Cat. No: E-BGLAEC
Lot. No: 240929
Expiry Date: 2028-12-31

Specific activity and level of other activities:

15,000 U/mg protein (37°C, pH 6.8 on phenolphthalein-β-D-glucuronide)
One Unit of β-D-glucuronosidase activity is defined as the amount of enzyme required to release one µg of phenolphthalein per hour from phenolphthalein-β-D-glucuronide (0.5 mM) in sodium phosphate buffer (100 mM) at pH 6.8 and 37°C.

50 U/mg protein (37°C, pH 7.5 on *p*NP-β-D-glucuronide)
*One Unit of β-D-glucuronosidase activity is defined as the amount of enzyme required to release one µmole of *p*-nitrophenol per minute from *p*NP-β-D-glucuronide (1 mM) in Tris.HCl buffer (100 mM) pH 7.5 and 37°C, monitored at 410 nm.
* Extinction coefficient (ε) of p-nitrophenol = 11418 M^{-1} x cm^{-1}

This lot meets our specification.

Signature: Kevin O'Leary **Date:** 2024-09-26

Kevin O'Leary
QC Specialist

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

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