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# Certificate of Analysis

**Product:** Fructanase Mixture (Ultrapure, recombinant, liquid)
**Cat. No:** E-FRLQPU
**Lot. No:** 240924
**Expiry Date:** 2027-12-31

**Specific activity and level of other activities:**

*exo*-Inulinase: 2,000 U/mL (on kestose at 40°C)
*endo*-Inulinase: ~ 100 U/mL (on fructan at 40°C)

For assay, enzyme preparation is diluted in 100 mM of sodium acetate buffer (pH 4.5) containing BSA (1 mg/mL). If BSA is excluded from the buffer, lower activities are obtained.

**Contamination of Fructanase Preparations by other Enzymes (Activity, % of exo-Inulinase)**

| Enzyme | Fructanase Mixture Purified (E-FRMXPD) | Pure Fructanase (E-FRLQPU) |
|---|---|---|
| *exo*-Inulinase | 100 | 100 |
| α-Galactosidase | 0.004 | 0 |
| β-Glucanase | 0.002 | 0 |
| Pectinase | 0.03 | 0 |

This lot meets our specification.

**Signature:** Kevin O'Leary **Date:** 2024-09-24

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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