



Measurement of Fructans and FOS in Food and Infant Formula



Fructans and fructo-oligosaccharides (FOS) are of increasing interest for manufacturers in areas as diverse as infant formula and animal feed. Fructans can serve as bulking agents, sweeteners, and as nutrients for digestive and immune health.

The potential benefits of fructan are evident for producers and consumers alike, but the accurate measurement of fructan in food and beverages presents a significant analytical challenge.



Fructan measurement made simple: the ONLY Fructan Assay Kits on the market

World exclusive: Megazyme is the only company to offer assay kits specifically for the measurement of fructan. Megazyme kits include ultra-pure components, stable reagents, simple formats and best-in-class technical support. The **K-FRUC** Assay Kit is recommended for use with AOAC Methods **999.03** and **2016.14**. Additionally, Megazyme produces highly purified amyloglucosidase, fructanase and sucrase which are suitable for use with AOAC Method **997.08** and **2016.06**.



AOAC Method 997.08

(Ion Exchange Chromatographic Method)

1. Lyophilised amyloglucosidase

Product Code	Product Name	No. Units
E-AMGFR	Amyloglucosidase (<i>A. niger</i>) 100 mg	3,500
E-AMGFR	Amyloglucosidase (<i>A. niger</i>) 500 mg	17,500

2. Fructanase (inulinase)

Product Code	Product Name	No. Units
E-FRMXPD	Fructanase Mixture (Powder)	20,000
E-FRMXLQ	Fructanase Mixture (Liquid)	40,000

AOAC Method 2016.14 (HPAEC-PAD)

1. Mixture of highly purified sucrase, β -amylase, pullulanase and maltase (Bottle 1)

2. Mixture of highly purified *exo*-inulinase and *endo*-inulinase (Bottle 2)

Product Code	Product Name	No. Assays
K-FRUC	Fructan Assay Kit	100

AOAC Method 999.03 and AACC 32-32.01

(Enzymatic/Spectrophotometric Method)

Product Code	Product Name	No. Assays
K-FRUC	Fructan Assay Kit Our most advanced kit: completely specific for fructans including levan, chicory, dahlia, onion, agave, wheat stems and leaves.	100

AOAC Method 2016.06 (HPAEC-PAD) and Chinese Standard GB 5009.255-2016

1. Fructanase

Product Code	Product Name	No. Units
E-FRMXPD	Fructanase Mixture (Powder)	20,000
E-FRMXLQ	Fructanase Mixture (Liquid)	40,000

2. Sucrase

Product Code	Product Name	No. Units
E-SUCR	Sucrase (from yeast)	300