



BFD
Food Safety Innovation

HMF Analysis - How good is the quality of your honey?



What is HMF and why should it be monitored?

HMF (Hydroxymethylfurfural) is an organic compound that is produced by acid-catalysed dehydration of sugars, its measurement is crucial to evaluate the conformity of honey for daily use according to government legislation. Elevated concentrations of HMF in honey can provide an indication of overheating, poor storage conditions, possible adulteration with other sugars or syrups and/or higher age of the honey.

Key Features of HMF kit

- Exceptional Precision: <2% (target less than 10%)
- Easy to use: Step-by-step guide/no scientific experience
- Excellent Correlation: FAPAS reference 94.3% and 99.5% recovery
- Excellent sensitivity: 2mg/kg
- Excellent linearity: 100mg/kg (EU Directive 110/2001 upper limit is 80mg/kg)
- Automatic calculation: AOAC official Method 980.23 followed

KEY BENEFITS OF BIOREX FOOD DIAGNOSTICS HONEY ANALYSIS

- No expensive analyser required
- Rapid result time
- Reduce laboratory out-sourcing costs
- Detection limits meet EU regulations
- Minimal technical expertise required
- Demonstrate the premium quality of your product
- Strengthen in house control testing prior to blending



KIT DESCRIPTION	CAT. NO.	METHOD	KIT SIZE
Glucose / Fructose	BXEFC02C	Colorimetric	50T
Diastase	BXEFC03A	Colorimetric	50T
HMF	BXEFC01A	Colorimetric	100T

PRISM: Food Enzymatic Analyser

Catalogue Number BIOXBF48

Features and Benefit:

- Pre-programmed honey Quantitation test protocol
 - Glucose/Fructose/Total Sugars; HMF; Diastase; Honey colour analysis
- Simple User Interface
- Highly Accurate and reliable
- 5in Colour High resolution LCD touchscreen display
- Accessories include thermal printer and dry incubator
- supplied with 4x Glass/2x Quartz curvettes and 4 cell holders
- Additional benefits include photometric and spectral scanning
- 6 Languages (English, German, French, Portuguese, Spanish, Chinese)



SPECIAL "ONE STOP SHOP" BUNDLES AVAILABLE (KITS, EQUIPMENT AND TRAINING)

With this amazing bundle you will be able to complete 600 tests in total!!
(200 HMF / 200 Glucose-Fructose / 200 honey colour- analysis)