

HazelnutAlert ELISA Kit



Enzyme immunoassay system for the quantitative detection of hazelnut in food products

Code: IC-02-1117 / 48 test

IC-02-1118 / 96 test

Intended use

HazelnutAlert ELISA kit is intended to be used for the quantitative detection of hazelnut proteins in food products by means of ELISA.

The system uses polyclonal antibodies against water soluble proteins of roasted hazelnut.

Key features

Sensitivity: 1.5 ppm of hazelnut proteins in food matrix

Flexibility: 48/96 test format

Quantitative

Ready to use standards

Complying with UNI EN 15633-1 (April 2009)

Proficiency Tests: • FAPAS 2797 September 2011: **“Hazelnut in CHOCOLATE”**

Specifications

Samples	bakery products, cereals and pasta, milk and soy products, food containing cocoa and red fruits, sauces, infant food.
ELISA	competitive indirect system
Antibodies	polyclonal
Units of measurement	hazelnut proteins / hazelnut
Limit of Detection (LOD)	1.5 mg of hazelnut proteins per kg of food sample (ppm)
Quantification range	2-25 mg of hazelnut proteins per kg of food sample
Calibration Curve	number of standards 5 (25-10-5-1-0 ppm of hazelnut proteins)
Detection	microtiter plate spectrophotometer (filter at 450 nm)
Cross Reactivity	weak cross reactivity (0.0005%) against walnut.
Extraction Additives (separately sold)	EPA Extraction Powder (code:IC-02-1122) for proteins extraction from poly-phenols containing foodstuff (cocoa, red fruits, spices).