

INFO SHEET

Pesticides LC-MSMS (neg. ,Combi 4)

Method description

Extraction

i) Products and plants

The sample will be extracted conform norm NEN-EN 12393-2 method using acetone/water.

2.Food/Feed

The grinded sample will be extracted using acetone.

3.Fats and oils

The oil will be dissolved in acetone

Analysis

The obtained extract is analyzed using a liquid chromatograph and a double in-line mass spectrometer (LC-MSMS).

Quality control of the method.

The extraction is checked by analyzing a sample containing analytes and adding reference material on samples.

Round Robin tests : FAPAS

Scope of TLR

Analytes:

Acrinathrin
Flufenoxuron
Teflubenzuron

Chlorfluazuron
Flucycloxuron (E+Z)
Triflumuron

Diflubenzuron
Hexaflumuron

Fipronil
Lufenuron

Fluazinam
Noviflumuron

Performance characteristics TLR

Reporting limits :5 or 10 ppb

Reproducibility demand :<20 %

Recovery demand : 70-120%

Literature

1. NEN-EN 12393-1 : Foodstuff. Multiple-residue method for determination of pesticide residues by means of a gas chromatograph whilst using selective detectors. Part I: General

