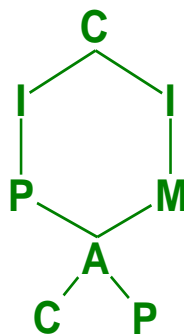


CIPAC

COLLABORATIVE INTERNATIONAL PESTICIDES ANALYTICAL COUNCIL LIMITED

Commission Internationale des Méthodes d'Analyse des Pesticides (CIMAP)

CHAIRMAN:
Dr. Ralf Hänel
Federal Office of Consumer Protection and Food Safety
Messeweg 11/12
38104 Braunschweig, Germany
Telephone: +49 531 299 3506
Telefax: +49 531 299 3002
E-Mail: ralf.haenel@bvl.bund.de



SECRETARY:
László Bura
European Food Safety Authority
Via Carlo Magno 1/A, I-43126 Parma, Italy
Telephone: +39 0521 036827
Telefax: +39 0521 0360827
E-Mail: laszlo.bura@efsa.europa.eu

TREASURER:
Brian E. Hocken
17 Claygate Avenue
Harpenden, Herts, AL5 2HE, England
Telephone: +44 1582 764277
Telefax: +44 1582 461625
E-Mail: brian@hockene.freereserve.co.uk

ASSISTANT SECRETARY:
Sonia Tessier
Chemicals Regulation Directorate of HSE
Mallard House, Kings Pool, 3,
Peasholme Green
YO 17PX York, UK
Tel +44 1904455905
E-Mail: sonia.tessier@hse.gsi.gov.uk

Internet: <http://www.cipac.org>

CIPAC INFORMATION SHEET No 301

Our Ref: LB
10 December 2013

370. brodifacoum

This is to inform you that Syngenta is planning to organize a collaborative trial on a method for brodifacoum.

Principle. Brodifacoum content is determined by reversed phase HPLC on a Zorbax Eclipse XDB-C18 column, 50 mm x 4.6 mm (i.d.), 1.8 µm, or equivalent, with the same selectivity, with a gradient of acetonitrile and 0.1 % aqueous phosphoric acid at a column temperature of 50°C and UV detection at 266 nm. Quantification is done by internal standardization using difenacoum. Although the particle size of the column is very small, the resulting pressure at the given temperature and the mobile phase is such that a conventional HPLC instrument can be used (i.e. the use of an UHPLC system is not required).

The cis/trans isomer ratio of brodifacoum is determined simultaneously with the content of the active substance.

Scope: It is intended to analyze five samples consisting of two technical materials (TC) and three bait blocks (RB). Samples, difenacoum internal standard and brodifacoum analytical reference standard will be supplied. The technical AI and the reference solutions will be supplied in form of an acetonitrile solution containing the respective internal standard.

Time schedule: The collaborative trial is intended to be carried out during February 2014 – April 2014. Those who wish to participate should contact the organizer by 15th January 2014.

Notes: The trial is limited to maximum 12 participating laboratories because of the availability of samples and standard material. The selection is done based on the application order.

Due to the very high acute toxicity of the active substance (a rodenticide) participating laboratories need to work according to high safety standards. Working in fume cupboards with a high air exchange rate is mandatory, also wearing personnel protective equipment such as safety glasses, gloves and lab coat is a must.

The sample preparation of the formulation (block bait) requires the sample to be grated. A suitable grater will be provided to each participating laboratory.

Contact:

Susanne De Benedictis
Analytical Development Team Leader
Syngenta Crop Protection
Breitenloh
4333 Muenchwilen
Switzerland

Tel.: +41 62 868 5237
Fax: +41 62 868 5604
E-mail: susanne.de_benedictis@syngenta.com

Yours sincerely

L. Bura, Secretary