

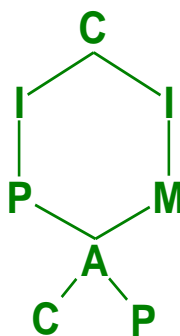
# CIPAC

## COLLABORATIVE INTERNATIONAL PESTICIDES ANALYTICAL COUNCIL LIMITED

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

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### CIPAC INFORMATION SHEET No. 338

Your Ref:  
Our Ref: LB  
January 2023

#### 415 bifenthrin + 570 chlorfenapyr + 715 pyriproxyfen + 33 piperonyl butoxide

Dear Colleague,

This is to inform you that the Walloon Agricultural Research Centre (CRA-W) is planning to organise a full scale collaborative trial on a method for bifenthrin + chlorfenapyr + pyriproxyfen + piperonyl butoxide.

**Principle:** The content of bifenthrin, chlorfenapyr, pyriproxyfen and/or piperonyl butoxide in the formulations is determined by capillary gas chromatography on a DB-210 ((50 % trifluoropropyl)-methylpolysiloxane) fused silica column (30 m x 0.25 mm i.d., 0.25 µm film thickness), or equivalent, using helium as carrier gas and flame ionization detection. Samples are extracted (at once for all the active ingredients + synergist) by sonication at 80 °C with *n*-heptane and quantitation is done by internal standard calibration.

**Scope:** It is intended to analyse twelve samples consisting of two bifenthrin technical materials (TC), two chlorfenapyr technical materials (TC), two pyriproxyfen technical materials (TC), two piperonyl butoxide technical materials (TC) and four long-lasting (incorporated into polyethylene) insecticide-treated nets (LN). Samples and analytical standards as well as the internal standard (dicyclohexyl phthalate) will be provided.

**Time schedule:** The collaborative trial is intended to be carried out between February 2023 – April 2023. Those who wish to participate should contact the organiser by 10<sup>th</sup> February 2023. The results should be reported by the end of April 2023.

**Note:** The trial is limited to 15 participating laboratories due to the availability of samples. The selection is based on the application order.

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Yours sincerely,

L. Bura, (secretary)