

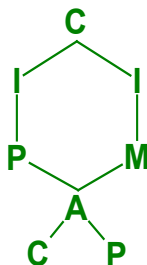
# CIPAC

## COLLABORATIVE INTERNATIONAL PESTICIDES ANALYTICAL COUNCIL LIMITED

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

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### CIPAC INFORMATION SHEET No. 349

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#### 365 Metalaxyl

Dear Colleague,

This is to inform you that Syngenta Crop Protection AG is planning to organise a full-scale collaborative trial on a method for metalaxyl and metalaxyl-M.

**Principle:** The content of metalaxyl in technical material and formulations is determined by capillary gas chromatography on a DB-5 MS (crosslinked dimethyl polysiloxane) fused silica column, (30 m x 0.25 mm (i.d.), 0.25 µm film thickness), or equivalent, using hydrogen as carrier gas and flame ionization detection. Quantitation is done by internal standard calibration.

In a second step the enantiomeric purity is assessed by chiral high performance liquid chromatography on a Chiralpak IB column (150 × 4.6 mm, 5.0 µm), with UV detection at 220 nm, and mobile phase composed of acetonitrile/water for the determination of the single enantiomer content.

**Scope:** It is intended to analyse five samples consisting of two technical materials (TC), one being racemic and one enantiomerically enriched, and three formulated samples (WG, ES and SL). Samples and analytical standard will be provided. The collaborative trial will be set up in a way that a laboratory can participate in either the GC or the chiral LC part or both.

**Time schedule:** The collaborative trial is intended to be carried out between November 2024 and March 2025. Those who wish to participate should contact the organiser by October 30<sup>th</sup>, 2024. The results should be reported by the end of March 2025.

**Note:** The trial is limited to 20 participating laboratories due to the availability of samples. The selection is based on the application order.

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Yours sincerely

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