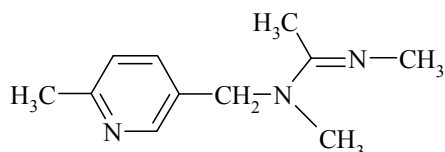


# CIPAC STATUS REPORT

28/09/2006



## 0649 Acetamiprid

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Allocated to J

CIPAC methods published in:

CIPAC L, p. 4

**CIPAC** 47th meeting, June 2003 in Bucharest

Dr Muro presented the results of two small scale collaborative studies by JAPAC: the first on Technical Material (TC), and four formulations: Wettable Powder (WP), Water Soluble Powder (SP), Water Soluble Granules (SG) and Soluble Concentrates (SL) in which acetamiprid was determined by reverse phase HPLC, UV detection and the use of coumarin internal standard. The second study for the EC formulations used normal phase HPLC, UV detection and *p*-nitroaniline as the internal standard. Five laboratories participated in each study. None of the outliers or strugglers were rejected and it was suggested that the results of all studies support testing the two methods by full collaborative trials. Mr Hill suggested the use of an alternative solvent to diisopropyl ether for safety reasons. Mrs Hourdakis questioned the need for using different internal standards for different formulations and asked why coumarin could not be used for all formulations. The reason is the long retention time. Dr Müller asked for clarification on the role of the phosphoric acid in the mobile phase. It was confirmed that it served to control the pH in view of the fact that the retention time of an interfering peak could only be stabilised (and interference with the active ingredient peak avoided) under controlled pH conditions..

**CIPAC** 48th meeting, June 2004 in Brno

Mr. Muro presented the results of a collaborative study on one technical material (TC), and four formulations: wettable powder (WP), water soluble powder (SP), water soluble granules (SG) and soluble concentrates (SL) in which acetamiprid was determined by reverse phase HPLC, C18-column, UV detection and the use of coumarin as internal standard. Ten laboratories submitted results. None of the outliers or strugglers were eliminated. For all samples the RSD<sub>R</sub> were smaller than those calculated by Horwitz equation. JAPAC proposed the method to be accepted as provisional CIPAC method.

Mr. Muro presented the results of a second collaborative study on two technical materials, and three EC-formulations using normal phase HPLC, CN-column, UV detection and *p*-nitroaniline as internal standard. Eight laboratories participated in the study. One of the laboratories was excluded for TC-2 as it was judged that there was an operation mistake. All RSD<sub>R</sub>s were smaller than those calculated by Horwitz equation. JAPAC proposed the method to be accepted as Provisional CIPAC method. Mr Müller asked whether the RSD<sub>R</sub> for TC-2 were higher than those calculated by Horwitz equation without excluding the outlier laboratory. This was the case. Mr Hill did not find the RSD for TC-2 significantly higher than the RSD for the other samples and could not agree on excluding the data for that reason. Mr Schreuder said that according to the ISO-directive data from at least eight laboratories should be available. There would only be seven laboratories if one was excluded. Ms Sørensen said that there were fifteen data on TC, which should be sufficient to accept the method.

# CIPAC STATUS REPORT

28/09/2006

Decision The *reversed phase* HPLC method (CIPAC/4367) for the determination of acetamiprid in TC, WP, SP, SG and SL formulations was accepted as **provisional** CIPAC method. The *normal phase* HPLC method (CIPAC/4369) for the determination of acetamiprid in EC formulations was accepted as **provisional** CIPAC method, but the part concerning TC remains as **tentative** CIPAC method.

**CIPAC** 49th meeting, June 2005 in Utrecht

Decision The reversed phase HPLC method (CIPAC/4367) for the determination of acetamiprid in TC, WP, SP, SG and SL formulations was accepted as **full** CIPAC method. The normal phase HPLC method (CIPAC/4369) for the determination of acetamiprid in EC formulations was accepted as **full** CIPAC method. The part concerning TC remains a tentative CIPAC method.

**CIPAC** 50th meeting, June 2006 in Geneva

Decision The normal phase HPLC method (CIPAC/4369), published in CIPAC L, page 8, for the determination of acetamiprid in TC remains a tentative CIPAC method.