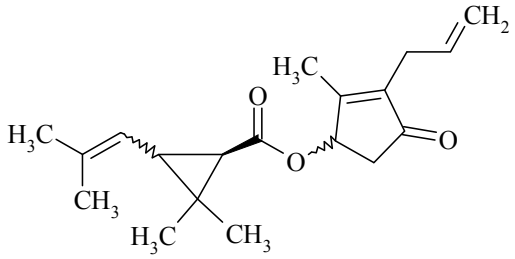
CIPAC STATUS REPORT

01/07/2005



0742 *d*-Allethrin

Allocated to J

CIPAC methods published in:

CIPAC L, p. 16

CIPAC 46th meeting, June 2002 in Rome

Dr Furuta presented a report of the small-scale study of the capillary GC method for the determination of *d*-allethrin in technical material. The identity test was still under consideration for the determination of the isomer ratio. It was discussed whether it was necessary to include the identity test as part of the full collaborative study or whether a lesser degree of validation was required. It was agreed that a full collaborative study of the identity test was not required. It was questioned whether a single column for the three compounds *d*-allethrin, d-phenothrin and prallethrin could be used but it was confirmed the reported columns were necessary. It was agreed the method could go to full collaborative study.

CIPAC 47th meeting, June 2003 in Bucharest

Mrs. Furuta presented the results of a CIPAC collaborative study on the determination of the active substances in *d*-allethrin, bioallethrin, s-bioallethrin.and esbiothrin technical materials and *d*-allethrin liquid vaporizer formulations. For the tecnical materials a capillary GC method was employed with FID detection and using m-terphenyl as the internal standard. Results were submitted by eleven laboratories. JAPAC proposed the method to be accepted as Provisional CIPAC method. A study for the applicability of the CIPAC draft method for *d*-allethrin, bioallethrin, and esbiothrin to mosquito coils and vaporizing mats was also presented. Hexane is used in sample preparation for MC formulations instead of acetone to extract a more limited number of formulants.
Decision The capillary GC method CIPAC/4326 on the allethrins was accepted as a **provisional** CIPAC method, including the identity test of the allethrins using enantiomeric HPLC, with certain reluctance. (very special and expensive method)

CIPAC 48th meeting, June 2004 in Brno

Decision The capillary GC method (CIPAC/4326) on the allethrins was accepted as **full** CIPAC method.