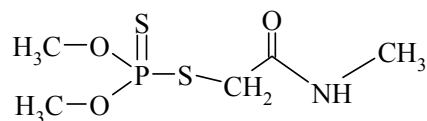


# CIPAC STATUS REPORT

27/06/2005



## 0059 Dimethoate

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Allocated to GB

CIPAC methods published in :

CIPAC 1A, p. 1225 (Partition chromatographic method)

P 81, p. 201 (TLC and GLC)

H, p. 135

**CIPAC** 15th meeting, October 1971 in Washington

To be continued by the GB Subcommittee, but to include GLC also.

**CIPAC** 16th meeting, June 1972 in Stockholm

Work in progress by the GB Subcommittee.

**CIPAC** 17th meeting, June 1973 in Wageningen

Decision As it is very urgent to have a method in the handbook, it is agreed to adopt the column partition chromatographic method (984) and the TLC method (1766) as draft methods, unless the Dimethoate Subcommittee can complete the work in due time for 1A.

**CIPAC** 18th meeting, June 1974 in London

Decision 2180/M to be included as provisional method in 1A. Method for impurities as draft method.

**CIPAC** 19th meeting, June 1975 in Oeiras

Collaborative study of LLC method will start soon. Information Sheet to be sent out.

**CIPAC** 20th meeting, June 1976 in Wädenswil

Collaborative work to establish precision of LLC and TLC methods in progress.  
Provisional methods rewritten in CIPAC (M)/2456. Work on GLC method in preparation (AOAC).

**CIPAC** 21st meeting, June 1977 in Braunschweig

Results did not justify inclusion of TLC method in 1 A. Changes proposed by German collaborators, sustained by statistical treatment, should be sent to the panel.

**CIPAC** 22nd meeting, June 1978 in Versailles

Coll. study under way by method proposed by DAPA. Panel will take part in GLC study of the AOAC.

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**CIPAC** 26th meeting, May 1982 in Rome

The TLC and GLC methods (CIPAC/3026/M) for the determination of dimethoate in solid formulations were adopted as full CIPAC methods. Report CIPAC/3025/R and 2993/R.

**CIPAC** 24th meeting, May 1980 in Salobrena

The TLC method is unsuitable for formulations containing phenol (CIPAC/2826). Modifications have been made so that it is suitable now. The dimethoate panel is carrying out collaborative work with TLC, GLC, and HPLC methods. DAPA also has troubles with the TLC method. The method will be revised again and possibly tested in another collaborative study (CIPAC/2891).

**CIPAC** 25th meeting, June 1981 in Gembloux

Because some people have found difficulty in packing suitable columns for the existing CIPAC method a TLC method was developed, which separated the thioglycollic acid methylamide and in which phenol did not interfere. The method was compared with the bromometric method, together with a GLC method. Results of the WP were low, possibly due to incomplete extraction. Mr. Wayne reported that the Ass. Ref. was moving towards a HPLC method. The GLC was sensitive to residues in the injection port, which caused isomerisation.

Decision . The TLC and GLC methods for dimethoate technical and emulsifiable concentrates, CIPAC 2926/R, app. H, were adopted as provisional CIPAC methods. The partition chromatographic method remained the referee method. There was no further need to study a method for the omethoate content. A draft method had been published in 1 A.

**CIPAC** 31th meeting, June 1987 in Cascais

Dr Dobrat reported that the existing methods (GC, TLC and partition chromatographic) were not completely satisfactory and that DAPA had carried out a smallscale study with a HPLC method (rev.phase MeCN/Water 48/52, 220 nm, 5  $\mu$  column). Some people reported good results with the GC method, but on the other hand dimethoate was thermolabile and the Smethyl isomer might be formed. The measurement at 220 nm was felt as disadvantage of the HPLC method. Mr Declercq suggested the use of a capillary GC column. It was decided to wait for the results of the DAPA study.

**CIPAC** 32nd meeting, June 1988 in Geneva

A small scale study with a HPLC method had been started by DAPA. The detection wavelength would be 220 nm. A CIPAC Information Sheet was sent out in September 1988.

**CIPAC** 33rd meeting, May 1989 in Lagonissi

Mr. Liesner introduced the report (CIPAC 5501) of the CIPAC collaborative trial on a HPLC method. Of 30 participants only 21 had sent their results.

Decision The HPLC method for dimethoate technical and formulations, CIPAC/3502, was adopted as provisional CIPAC method.

**CIPAC** 34th meeting, May 1990 in Tunisia

Decision The provisional HPLC method for dimethoate technical and formulations, CIPAC/3502, was adopted as full CIPAC method and appointed as referee method.