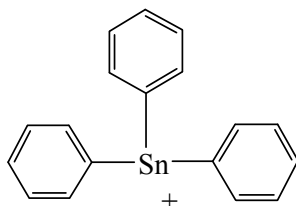


# CIPAC STATUS REPORT

28/06/2005



## 0103 Fentin

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Allocated to NL

CIPAC methods published in :

CIPAC 1A, p. 1263 (titr.)

CIPAC 1B, p. 1837 (+maneb, GLC)

CIPAC D, p. 95 (+maneb, GLC)

CIPAC E, p. 89 (fentin acetate, fentin acetate+maneb)

CIPAC E, p. 93 (fentin hydroxide, fentin hydroxide+maneb)

**CIPAC** 11th meeting, June 1967 in London

Collaborative work would continue.

**CIPAC** 12th meeting, June 1968 in Braunschweig

It was agreed to begin collaborative work.

**CIPAC** 13th meeting, June 1969 in Oeiras

Dr Weinmann reported that results with method 1386, gathered in report 1511, showed that the investigators have had some troubles.

**CIPAC** 14th meeting, June 1970 in Gembloux

Dr. Weinmann reported that the method 1386 is not applicable to mixed formulations manebfentin. Isolation of both the active ingredients by TLC would be useful.

Dr. Martijn reported on the constitution of a Dutch Panel, working on TLC. The reproducibility in the results is very poor, and at the best, the method can be used for qualitative purposes.

Decision Method 1529 (which is the corrected 1386) is adopted as provisional CIPAC method for technical and its formulations without any other active ingredients.

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

Method 1529 to be published in Vol. 1A.

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

Method 1529 to be published as provisional, waiting for some improvements (especially for mixed formulations with maneb).

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

Method 1906 presented by the NL Committee is adopted as full method and will cancel method 1930.

# CIPAC STATUS REPORT

28/06/2005

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

Work on mixtures with maneb in progress by NL and D. No method available.

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

Work finished

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

Mr Martijn reported that a small scale study on a HPLC method had been carried out by DUPAC for fentin compounds, especially in mixtures with maneb. The method was thought to be more simple than the existing GLC method, which requires a derivatization step with a Grignard reagent. A full scale study is planned for the end of the year.

**CIPAC** 35th meeting, June 1991 in Braunschweig

The results (CIPAC 3638) of a collaborative study on a HPLC method were presented by Mr Martijn at the expert witness meeting. The method works with good results for technical and formulations including mixtures with maneb. Only the results for WG's were not satisfying, which seemed to be a problem of sampling. Mr Görlitz was afraid that the HCl in the mobile phase might destroy the column. No complaints had been received about that, and moreover the cyhexatin method used the same eluent.

Decision The HPLC method for fentinacetate/hydroxide technical and formulations (including mixtures with maneb), CIPAC 3639, was adopted as provisional CIPAC method. The method for water dispersible granules was accepted as tentative method.

**CIPAC** 36th meeting, October 1992 in Zürich

Decision The provisional HPLC method for fentin acetate/hydroxide technical and formulations (including mixtures with maneb), CIPAC 3639, was adopted as full CIPAC method. The method for water dispersible granules will remain tentative.

The HPLC method will be the referee method.