

CIPAC MT STATUS REPORT

04/08/2019

MT 30 Water

Allocated to DAPF

CIPAC methods published in:

CIPAC F, p. 302

CIPAC J, p. 120

CIPAC 41st meeting, June 1997 in Roskilde

A paper on new KF reagents had been presented at the symposium by Mrs Schöffski from Riedel-de Haën. Mr Wohlers will write an addition to MT 30 to describe the alternative reagents and present a report at the next year's meeting.

CIPAC 42nd meeting, July 1998 in York

Postponed to next year.

CIPAC 43rd meeting, June 1999 in Budapest

Mr Wohlers presented a paper, CIPAC/4137, on the comparison of the Karl Fischer method as published in CIPAC F with an improved method using commercially available reagents without pyridine. It seemed not to be necessary to require collaborative testing because the method is commonly used in many areas other than pesticides.

Decision: The method for the determination of water according to Karl-Fischer using pyridine free reagents and instrumental endpoint determination, CIPAC/4136, has been accepted as full CIPAC method. (MT 30.5)

CIPAC 62nd meeting, June 2018 in Panama City

Revision of MT 30.5 Karl Fischer Method by Mr Bruno Partian (5154)

Mr Patrian presented on behalf of DAPF a proposal for revision of MT 30.5, Karl Fischer method using pyridine-free reagents to MT 30.6, Water Determination by Karl Fischer. The revision was motivated by the addition of coulometric titration, modified sample weight, changed equipment description, and as a result an editorial overhaul. After a short description of the current method the principle and advantages of coulometric titration were highlighted. It was also proven that reduction of the sample weight resulted in identical quantitative results. Therefore DAPF recommends adopting this method as a provisional CIPAC MT method.

Closed Meeting:

The method was accepted as **provisional** CIPAC MT method MT 30.6.

CIPAC 63rd meeting, June 2019 in Braunschweig

Closed Meeting:

At the previous meeting, the method was accepted as provisional.

Mr Patrian remarked that a request from industry was received to insert a text about automatic measurements. Mrs Tessier clarified that the request had nothing to do with the method but only with the software of the automated system. This was confirmed by Mr Patrian. Mr Hänel proposed therefore not to include the requested text as the text could easily be incorporated in the GLP procedure of the individual laboratory.

The method can be promoted to a **full CIPAC method** without the requested text change.