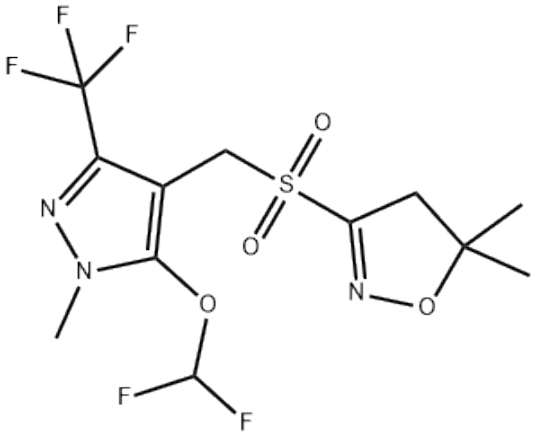
CIPAC STATUS REPORT

11.08.2024



0817 Pyroxasulfone

Allocated to CHIPAC

CIPAC methods published in: CIPAC Handbook -

CIPAC

CIPAC 68th meeting, June 2024 Wageningen

Pyroxasulfone by Ms Junhua Song (5392, 5393)

Ms Junhua Song presented the results of a small scale collaborative trial of pyroxasulfone in two TC samples, three SC samples and three WG samples in which three Chinese laboratories participated. The analysis was performed by high performance liquid chromatography on a reversed phase column (XBridge. C18, 150 Å~ 4.6 mm, 5.0 µm, or equivalent) at 35ÅãC with UV detection at 225 nm and external standardization. The eluent was acetonitrile : water, 45:55 (v/v) at a flow rate of 1.0 ml/min. Two laboratories used the prescribed HPLC column but the third laboratory used a C18 column of a different brand resulting in much longer retention times. This deviation was not assessed as critical. Including stragglers and outliers the HorRat values ranged between 0.13 and 0.54 for the two TC, three SC and three WG samples.
Ms Junhua Song recommended to extent this to a full collaborative trial.

Questions and remarks from the meeting.

- There was an error in the calculation formula, that should be corrected
- The filter was not mentioned in the description of the method.

Questions and remarks from the meeting.

- The formula of the S-metolachlor should be corrected
- Two different reference standards were used. Why?
    - Will be double checked after the CIPAC meeting
- The retention times of the different isomers differed considerably between the laboratories. Is an explanation available?
    - Will be answered after the CIPAC meeting

- The title of the presentation ('5395/R Small scale collaborative trial for the determination of S-isomers ratio in S-metolachlor TC and EC') is not correct as during the small scale collaborative trial the combined content of both S-metolachlor isomers was validated, not the ratio between the S-isomers.

Closed meeting:

No comments were given or questions were asked by the meeting. The method can proceed to full scale trial.