

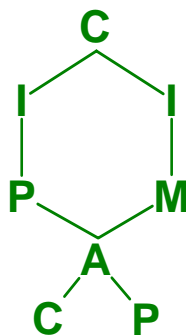
CIPAC

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CIPAC INFORMATION SHEET No.260

Your Ref:
Our Ref: LB
14 Oct 2005

Wash resistance and active ingredient in long-lasting insecticidal net formulations of deltamethrin

Dear Member,

This is to inform you that Vestergaard Frandsen is planning to organize a collaborative trial on a method for determination of wash resistance and deltamethrin content of long-lasting insecticidal net formulations.

Principle: The LN formulations are washed with 0.2% detergent in de-ionized water in screw-capped neutral glass bottles. The wash retention index is calculated from the content of deltamethrin before and after wash of the LN formulations. A mixture of iso-octane and wetted 1,4-dioxane is used as the extractant for the determination of deltamethrin. The deltamethrin content is determined by normal phase HPLC (CIPAC 333/TC/M/3). A horizontal laboratory water bath shaker with speed of 155 beats per minute is required.

Scope: Nine formulation samples, covering a wide range of LN formulations (good, marginal, bad), will be tested in duplicate on each of two days. Active ingredient levels and wash retention index will be determined. Soap ECE will be supplied.

Time schedule: The collaborative work is intended to be carried out during February 2006 (shipment November 2005). Those who wish to participate should contact the organizer by 31 October 2005.

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Yours sincerely

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