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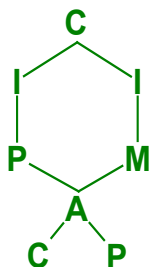
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CIPAC INFORMATION SHEET No. 350

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1027 Eucalyptus citriodora oil, hydrated, cyclized

Dear Colleague,

This is to inform you that Citrefine International Ltd. would like to organize a full-scale collaborative trial on a method for Eucalyptus citriodora oil, hydrated, cyclized.

Principle: The content of isopulegol, citronellol and *p*-menthane-3,8-diol present within the Eucalyptus citriodora oil, hydrated, cyclized is determined by capillary gas chromatography using a (5%-phenyl)-methylpolysiloxane fused silica column (such as Agilent HP-5, Restek Rxi-5ms, Perkin Elmer Elite-5ms or equivalent; 30 m x 0.25 mm (i.d.), 1.0 µm film thickness), using hydrogen as carrier gas and flame ionization detection. Quantitation is done by internal and external standard calibration.

Scope: It is intended to analyze five samples of Eucalyptus citriodora oil, hydrated, cyclized for the content of isopulegol, citronellol and *p*-menthane-3,8-diol. Isopulegol consists of three isomers, *p*-menthane-3,8-diol of four isomers and a single isomer of citronellol; all can be separated on a single chromatographic run, and each compared to a standard composed of a single isomer. Samples, analytical standards and internal standard will be provided.

Time schedule: The collaborative trial is intended to be carried out between January to March 2025. Those who wish to participate should contact the organizer by January 13th 2025. The results should be reported by the end of March 2025.

Notes: Eucalyptus citriodora oil, hydrated, cyclized is semi-solid at room temperature and will need homogenization at approximately 60°C according to the instructions which will be provided. The trial is limited to 12 participating laboratories due to the availability of samples. The selection is based on the application order.

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Yours sincerely

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