

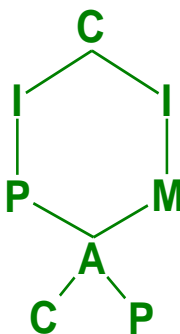
CIPAC

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Commission Internationale des Méthodes d'Analyse des Pesticides (CIMAP)

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CIPAC INFORMATION SHEET No. 298

Your Ref:
Our Ref: LB
6 March 2013

MT 162.1 Determination of ethylenethiourea (ETU)

Dear Colleague,

This is to inform you that Cerexagri B.V. is planning to organise a collaborative trial on a method for determining ETU in formulations containing ethylene-bis-(dithiocarbamate).

Principle: The ETU is extracted from the sample with acetonitrile. The content of ETU is determined by reversed phase high performance liquid chromatography on a 250 x 4.6 mm (i.d.) column with a long alkyl chain reversed phase stationary phase with enhanced polar separation, with 5 µm particles (Zorbax Bonus-RP, Supelco RP18 Amide, Altima HP C18 Amide, or equivalent) with gradient elution, with mobile phase composed of acetonitrile/water (buffer with pH 5), and UV detection at 230 nm. Quantitation is done by internal standardisation with *N,N,N'*-trimethylthiourea.

Scope: It is intended to analyze seven samples consisting of two technical materials, and 5 formulations (two WPs, two WGs, one SC). Samples, ETU standard and internal standard will be supplied.

Time schedule: The collaborative trial is intended to be carried out during April 2013- May 2013 (shipment in April 2013). Those who wish to participate should contact the organiser by 29 March 2013. The results should be reported by 20 May 2013.

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Yours sincerely

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