

**ALPHA-CYPERMETHRIN
454**

See CIPAC H, p 14

**ALPHA-CYPERMETHRIN OIL ENHANCED SUSPENSION
CONCENTRATES
*454/SC/M/-**

1 Sampling. Take at least 1 l.

2 Identity tests

2.1 GLC. As for alpha-cypermethrin technical **454/TC/M/2.1**.

3. Alphacypermethrin. As for alpha-cypermethrin technical **454/TC/M/3**, except:

(b) Preparation of sample. Weigh in duplicate (to the nearest 0.1 mg) into two volumetric flasks (100 ml) sufficient sample to contain 100 mg of alpha-cypermethrin (*w* mg). Add by measuring cylinder citric acid solution (10 ml) and swirl to fully disperse the formulation. Then add tetrahydrofuran (approximately 70 ml) in approximately 10 to 15 ml portions, swirling in between each addition to fully disperse the sample. Place in an ultrasonic bath for 15 minutes with occasional swirling. Add by pipette to each flask internal standard solution (10.0 ml), make to volume with tetrahydrofuran and mix well. Filter through a suitable paper e.g. GF/A or filter unit e.g. PTFE 0.45 µm to give a clear solution (solutions S_A and S_B).

Repeatability r = 0.80 g/kg at 100 g/kg active ingredient content

Reproducibility R = 0.80 g/kg at 100 g/kg active ingredient content

**ALPHA-CYPERMETHRIN WETTABLE GRANULES
*454/WG/M/-**

1 Sampling. Take at least 1 kg.

2 Identity tests

2.1 GLC. As for alpha-cypermethrin technical **454/TC/M/2.1**.

* CIPAC method 2001. Prepared by PAC-UK. Based on a method supplied by American Cyanamid, UK

3 Alpha-cypermethrin. As for alpha-cypermethrin technical **454/TC/M/3**, except:

(b) Preparation of sample. Weigh in duplicate (to the nearest 0.1 mg) into two volumetric flasks (100 ml) sufficient sample to contain 100 mg of alpha-cypermethrin (w mg). Add by measuring cylinder citric acid solution (10 ml) and swirl to fully disperse the formulation. Then add tetrahydrofuran (approximately 70 ml) in approximately 10 to 15 ml portions, swirling in between each addition to fully disperse the sample. Place in an ultrasonic bath for 15 minutes with occasional swirling. Add by pipette to each flask internal standard solution (10.0 ml), make to volume with tetrahydrofuran and mix well. Filter through a suitable paper e.g. GF/A or filter unit e.g. PTFE 0.45 μm to give a clear solution (solutions S_A and S_B).

Repeatability r = 0.78 g/kg at 150 g/kg active ingredient content

Reproducibility R = 0.80 g/kg at 150 g/kg active ingredient content