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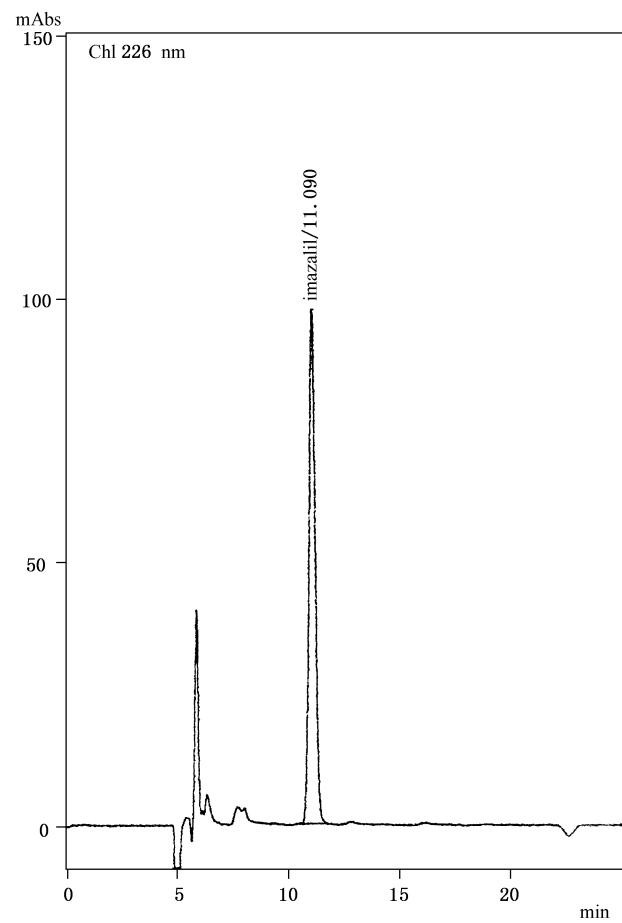


Figure A.2 Chromatogram of imazalil standard

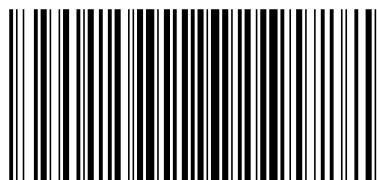
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中华人民共和国出入境检验检疫行业标准

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进出口卫生筷中噻苯咪唑、邻苯基苯酚、 联苯和抑霉唑残留量的检验方法 液相色谱法

Inspection of thiabendazole, o-phenylphenol, diphenyl and imazalil in
disposable chopsticks for import and export—
Liquid chromatography



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Annex A
(Informative)
Chromatogram of standards

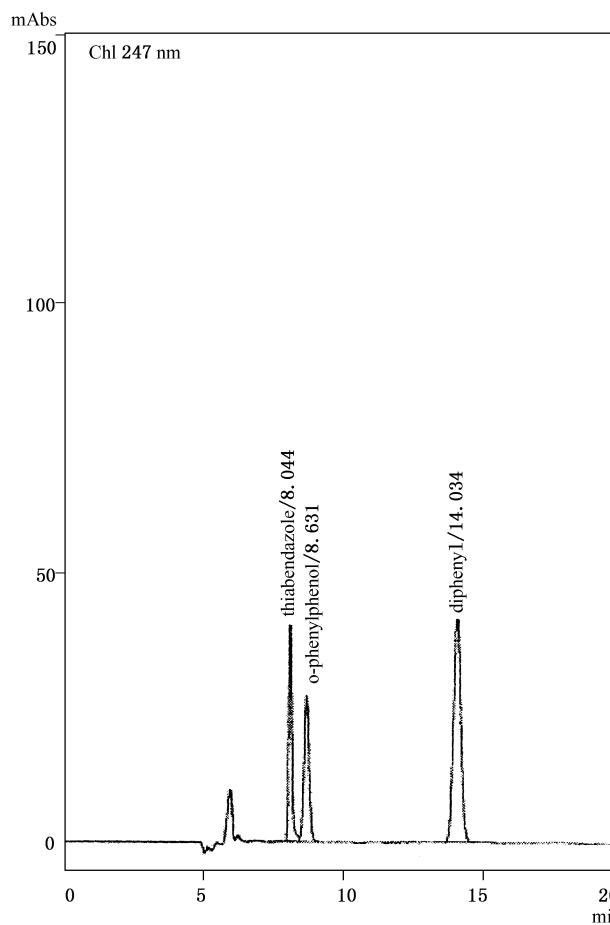


Figure A.1 Chromatogram of thiabendazole, o-phenylphenol and diphenyl standard

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the blank value should be subtracted from the result of calculation:

Where:

ω_1 —the residue content of thiabendazole, o-phenylphenol, diphenyl or imazalil in the test sample per pairs (mg/pairs);

ω_2 —the residue content of thiabendazole, o-phenylphenol, diphenyl or imazalil in the test sample (mg/kg);

A—the peak area of thiabendazole, o-phenylphenol, diphenyl or imazalil in the sample solution (mm^2):

c_s —the concentration of thiabendazole, o-phenylphenol, diphenyl or imazalil in the standard working solution ($\mu\text{g}/\text{mL}$);

A_s —the peak area of thiabendazole, o-phenylphenol, diphenyl or imazalil in the standard working solution ($\mu\text{g}/\text{mL}$);

V —the final volume of the sample solution (mL);

m_1 — the mass of the test sample per pairs (g);

m_2 —the corresponding mass of the sample in the final sample solution (g).

4 Limit of determination and recovery

4.1 Limit of determination

The limit of determination of thiabendazole, o-phenylphenol and diphenyl is 1.0 mg/kg, and imazalil is 5.0 mg/kg.

4.2 Recovery

4.2.1 According to the experiment data, the fortifying concentrations 1.0 mg/kg, 5.0 mg/kg, 10.0 mg/kg, 25.0 mg/kg and 50.0 mg/kg of thiabendazole in disposable chopsticks, and their corresponding recoveries ranges are 81%~92%.

4. 2. 2 According to the experiment data, the fortifying concentrations 1. 0 mg/kg, 5. 0 mg/kg, 10. 0 mg/kg, 25. 0 mg/kg and 50. 0 mg/kg of o-phenylphenol in disposable chopsticks, and their corresponding recoveries ranges are 81%~92%.

4. 2. 3 According to the experiment data, the fortifying concentrations 1. 0 mg/kg, 5. 0 mg/kg, 10. 0 mg/kg, 25. 0 mg/kg and 50. 0 mg/kg of diphenyl in disposable chopsticks , and their corresponding recoveries ranges are 81% ~91%.

4. 2. 4 According to the experiment data, the fortifying concentrations 5. 0 mg/kg, 10. 0 mg/kg, 25. 0 mg/kg ,50. 0 mg/kg and 125. 0 mg/kg of imazalil in disposable chopsticks, and their corresponding recoveries ranges are 81% ~ 105%

前 言

本标准的附录 A 为资料性附录。

本标准由国家认证认可监督管理委员会提出并归口。

本标准起草单位：中华人民共和国湖南出入境检验检疫局。

本标准主要起草人：戴华、曹建全、李拥军、张华茂、董志强。

本标准系首次发布的出入境检验检疫行业标准