

质谱在石油化工、环境保护、产品质量等领域中的应用

液相色谱-串联质谱法测定纺织品中10种致敏性分散染料

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摘要

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Determination of Ten Sensitizing Disperse Dyes in Textile Using High Performance Liquid Chromatography-Tandem Mass Spectrometry

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Abstract A high performance liquid chromatography-tandem mass spectrometric method(HPLC-MS/MS) was developed for the simultaneous determination of ten sensitizing disperse dyes in textile. The sample was extracted by methanol, and determined by high performance liquid chromatography-electrospray ionization mass spectrometry. The results indicate that the method is easier, faster and more sensitive by mass spectrometry as detector. The linear range is 1-100 mg L⁻¹.

Key words high performance liquid chromatography-tandem mass spectrometry(HPLC-MS/MS) textile sensitizing disperse dyes

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