

质谱在石油化工、环境保护、产品质量等领域中的应用

## GC/MS-SIM法测定皮革及其制品中富马酸二甲酯

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摘要

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## Determination of Dimethyl Fumarate in Leather and Leather Products by GC/MS-SIM

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**Abstract** A GC/MS-SIM method for the determination of dimethyl fumarate in leather and leather products was developed. The dimethyl fumarate was extracted from leather by dehydrated ethyl acetate using ultrasonic instrument, and then cleaned by neutral  $Al_2O_3$  column. The quality and quantity analysis can be done at the same time. Under the optimum analytical condition, the recovery can get up to more than 85%, and the detection limitation can be reached at the level of  $0.1 \text{ mg kg}^{-1}$ . The method is simple, rapid, sensitive and accurate.

**Key words** GC/MS-SIM leather and leather products dimethyl fumarate

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