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摘要: 采用多重衰减全反射附件测定加氢渣油的红外光谱, 讨论渣油组成的红外光谱信息, 用偏最小二乘法(PLS)建立红外光谱测定渣油四组分的4个校正模型, 该方法的测定结果与经典洗脱色谱法(EC)的结果吻合。与EC法相比, 该方法具有快速、操作简单、不需分离、重复性好等优点

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Determination of SARA composition for hydrogenated residues using attenuated total reflectance infrared spectroscopy

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Abstract: The calibration models of SARA(saturates, aromatics, resins and asphaltines) in residues have been established using attenuated total reflectance (ATR) Infrared spectroscopy combined with partial least squares (PLS). The results obtained by this method are agreement with those determined by elution-adsorption chromatography(EC). Compared with EC, this method is provided with advantages such as high-speed, simplicity, and good repeatability.

Key words:

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