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摘要: 本文用液相色谱法测定聚丙烯酸高碳醇酯的侧链碳数分布, 聚丙烯酸酯在醇溶液中水解后, 用热甲醇分离水解产物中的醇。这些长链醇用高锰酸钾和硫酸氧化后成为长链脂肪酸, 又在三乙胺溶液中被溴苯乙酰衍生化, 用液相色谱法测定衍生物。

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[Determination of branched carbon number distribution of polyacrylate by HPLC](#)

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Abstract: This paper deals with the determination of branched carbon number distribution of polyacrylate by liquid chromatography after hydrolyzing the polyacrylate in basic alcohol solution. The products of hydrolysis are alcohols which can be separated by hot methanol. The long chain alcohols are oxidized in potassium permanganate and sulfuric acid. The long chain fatty acids thus obtained are derivatized by phenacyl bromide in triethylamine solution. The derivatives were determined by liquid chromatography.

Key words:

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