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عنوان مقاله:

Optimized conditions for acetylhydrazine production

محل انتشار:

نهمین کنگره ملی مهندسی شیمی ایران (سال: 1383)

تعداد صفحات اصل مقاله: 9

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خلاصه مقاله:

A new modified process for preparation of acetylhydrazine (AH) in the semibatch reactor has been described. The synthesis of AH is based on the reaction of hydrazine with ethyl acetate in alcoholic solvents. The effect of lower alcoholic solvent type, molar ratio of methanol to ethyl acetate, molar ratio of ethyl acetate to hydrazine, stirrer speed and the reaction temperature on the molar yield of AH were studied and an optimum condition was obtained .The .average molar yield of AH was about 97.5% under the optimum operational conditions

کلمات کلیدی:

Acetylhydrazine, Semibatch reactor, Optimum conditions

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