

عنوان مقاله:

Design and Synthesis of Natural Polymer Derived From Wheat Starch

محل انتشار:

کنگره ملی شیمی و نانو شیمی از پژوهش تا توسعه ملی (سال: 1396)

تعداد صفحات اصل مقاله: 8

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خلاصه مقاله:

This reaction, first part of the synthesis starch octenyl succinic anhydride were synthesised by addition of 2-octenyl succinic anhydride aqueous solution to suspension modified wheat starch. After this part a certain amount of aluminum sulfate was added to starch octenyl succinic anhydride slurry. The results of SEM and FT-IR, ²⁷ALNMR, ¹HNMR confirmed the formation of ester group and the cross-link with AL³⁺. Aluminum octenyl succinic anhydride (ASO) with starch. ASO is a unique, hydrophobically modified natural polymer, used in cosmetics and food industry

کلمات کلیدی:

Starch, Aluminum Starch Octenyl Succinate, 2-Octenyl Succinic Anhydride

لینک ثابت مقاله در پایگاه سیویلیکا:

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