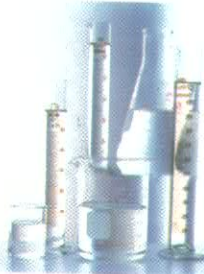


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ABSTRACT BOOK



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Paper ID: 28**Alkaline Hydrolysis of Wool Keratin**

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Abstract.

The samples of technical foaming agents based on keratin materials like wool were obtained by method of alkaline hydrolysis. The optimum temperature of reaction is 403K. Conducted by IR spectroscopic studies of the hydrolysis reaction products were shown the identify of the samples of keratinic foaming agents, obtaining at 403K and at 433K. Proposed structure of the samples has α -helical configuration of laying chain and samples of amin acids with peptide bonds.