

## Specific features of biodegradable polyglycolidelactide synthesis

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### Abstract

This paper describes the analysis of glycolide and lactide monomers on the following parameters: mass fraction of isomers in solution of lactide monomer, melting point of glycolide and lactide, mass fraction of moisture in the monomers, mass fractions of impurities containing carboxyl groups in monomers, presence/absence of oligomers in glycolide and lactide. The method of purification of monomers by recrystallization from hot ethyl acetate and methods of synthesis of polyglycolide-lactide in laboratory vacuum reactor are also described.