

ANNOTATION
of report on a pre-diploma practice of a 4th year student, of group BT-21
direction of training 7.05140101 - Industrial Biotechnology
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on topic “Technology of microbial synthesis of landomycin A”

The report contains 28 pages of printed text. It consists of an introduction, three chapters, conclusions, list of references, two appendixes and contains 8 figures and 1 table.

The report of the pre-diploma practice describes the production of landomycin A.

In the introduction the urgency of the chosen research topic, purpose of the pre-diploma practice and its problems are described.

The first chapter of the report is devoted to characteristics of the establishment of practice.

The second chapter of the report contains the characteristics of landomycin A production, with the description of the final product, process flowsheet and technical design for essential equipment given.

In the third part of the report the progress of experimental work is described, data analysis is done and the following conclusion are made.

The appendixes contain process flowsheet and technical design for essential equipment for landomycin A production.

As a result of the pre-diploma practice the following tasks have been resolved: the peculiarities of the process of landomycin A biosynthesis, the basic parameters of the process were studied, a basis for industrial technology was created by using literature sources and experimental work.

According to the results of the pre-diploma practice, the following conclusions were made: the main stage of the technology of landomycin A production is the isolation and purification of antibiotic due to the difficulty of obtaining the claimed degree of purification of target compound from related substances.