

ANNOTATION

**of report on a pre-diploma practice of a sixth-year student, group BT-61s
specialty 7.05140101 - Industrial Biotechnology**

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"Production of Cefazolin-BCPP 0.5 g and 1.0 g in flacons"

Report on pre-diploma practice is stated on 64 pages of printed text. The report consists of an introduction, seven sections, conclusions, a list of references and contains 7 figures, 12 tables.

The report on pre-diploma practice describes the production of I generation antibiotic – Cefazolin in flacons.

The introduction substantiates the topicality of the chosen topic of research, describes the purpose of pre-diploma practice and its task.

The first part of the report is devoted to the characteristics and technical and economic indicators of the enterprise.

The second part of the report provides information on the energy and water supply of the enterprise.

The third part of the report presents the auxiliary stages of the production of Cefazolin-BCPP.

The fourth part of the report describes the characteristics of raw materials and auxiliary materials.

The fifth part of the report describes the designation of the main technological equipment.

The sixth part of the report provides control over the quality of the product.

The seventh part presents the occupational and environmental protection at the enterprise.

The Annexes contain technological and equipment schemes for obtaining water of pharmaceutical quality, preparation of ventilation air, manufacture of Cefazolin-BCPP.

As a result of pre-diploma practice, the following tasks were solved: familiar with the organization, structure, technical and economic indicators of the enterprise; Practical experience of using the normative and technical documentation was obtained and the technology of production of Cefazolin-BCPP was examined; the characteristic of technical operation of the main technological equipment is given; the issues of labor protection and the environment are considered.

According to the results of the pre-diploma practice, the following conclusions were drawn:

- PJSC SIC "Borshchagivskiy BCPP" is an innovative pharmaceutical company of European level, that is based on the European and international standards of quality;

- Cefazolin - BCPP is widely used in medical practice for the treatment of a wide range of infectious diseases.

- an antibiotic on the basis of the company is made from bulk products and can be manufactured with the involvement of biotechnology, which should be considered in the diploma degree.