

ANOTATION

Coursework on the theme "Production line with the development of Lidaza lyophilic dryer" on "Equipment of refrigeration and membrane technology" consists of explanatory note, that includes 55 pages, 10 figures, using 30 literature sources and 1 sheet of drawings of A1 format.

Calculations: material and thermal calculations of freeze-dryer, desublimator structural calculation, structural calculation of dryer confirmed efficiency and reliability.

Characteristic features of designed and engineered freeze dryer are minimal, compared with other methods of drying, changes in the structure of the material, which is dried, the dryer is used for thermally labile materials, like living organisms, enzymes, some antibiotics, etc.

Keywords: LIDAZA, LYOPHILIZATION, CONDENSATION, HEAT EXCHANGE SURFACE, SUBLIMATOR, DESUBLIMATOR.