

Annotation

Coursework on the theme "production line with the development of streptomycin freeze drier" on "Equipment of refrigeration and membrane technology" consists of explanatory note, that includes ___ pages, ___ figures, using ___ literature sources and 1 sheet of drawings of A1 format.

The content of the explanatory note: 1.Characteristics of production, 2.Technical characteristics of the freeze dryer, 3. Rationale for the chosen construction,. 4. Calculations confirm performance and reliability of the construction freeze dryers.

The course work is considered streptomycin production line, as well as carried out the development of freeze-drying. Freeze drying is to remove moisture from the product by freezing and subsequent passage of ice formed in the product, in pairs, bypassing the liquid phase by heating the product under vacuum. This allows for milder conditions to remove the moisture and allows the process at a temperature not higher than 45 °C.

Calculations and drawings are made according to current standards, using modern information technology and system.

Keywords: LYOPHILIZATION, STREPTOMYCIN, HEAT EXCHANGE SURFACE,, LYOPHILIZATION, CONDENSATION,