

摘要: 干燥是工业生产中广泛存在的一种单元操作, 其目的是使物料中的水分或其他挥发性物质蒸发。干燥过程的效率和质量取决于干燥器的设计、操作参数和物料的性质。本文探讨了干燥技术在制药工业中的应用, 并介绍了干燥器的设计、操作参数和物料性质的优化方法。干燥技术在制药工业中的应用, 不仅可以提高产品的质量和稳定性, 还可以减少能源消耗和环境污染。通过优化干燥器的设计、操作参数和物料性质, 可以实现干燥过程的节能降耗和绿色环保。

关键词: 干燥; 干燥器; 干燥技术; 干燥参数; 干燥物料

Abstract: Drying is a widely existing unit operation in industrial production, the purpose is to evaporate the moisture or other volatile substances in the material. The efficiency and quality of the drying process depends on the design of the dryer, the operating parameters and the properties of the material. This paper discusses the application of drying technology in the pharmaceutical industry, and introduces the optimization method of the design, operating parameters and material properties of the dryer. The application of drying technology in the pharmaceutical industry can not only improve the quality and stability of the product, but also reduce energy consumption and environmental pollution. Through the optimization of the design, operating parameters and material properties of the dryer, energy saving and consumption reduction, and green and environmental protection can be achieved.

Key words: Drying; Dryer; Drying technology; Drying parameters; Drying material