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PRINCETON COLLEGE OF PHARMACY

(Affiliated to JNTUH & Approved by AICTE, PCI, New Delhi)

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ROLE OF PSYLLIUM AS PHARMACEUTICAL ADDITIVES

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ABSTRACT

Psyllium or psyllium is a seed grade natural polysaccharide obtained from psyllium and its mucilage is calm of natural arabinoxylan (arabinose 22.6% and xylose 74.6%). Psyllium mucilage is extracted from psyllium husk. Graft copolymerization is one of the best methods for modifying psyllium, which impart certain functional properties to psyllium without destroying its basic properties. The grafting is initiated through the formation of the free radical centers on the polymer backbone. Psyllium has wide application in many health problems, particularly cholesterol control, colon cancer prevention, high sugar levels in blood and widely used as a laxative.

Validation-In Pharmaceutical Industry

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ABSTRACT

Digitalization of any manufacture industry is a key step in any progress of the manufacturing process. The process of digitalization consists of both elevated use of robotics, automatization solutions and computerization, thereby allowing to minimize costs, to improve effectivity and productivity, and to be flexible to changes. Pharmaceutical Industry (PI) has alternatively been resistant to digitalization, mainly due to honest experience and complexity of the entailed improvement and manufacture processes. Nevertheless, there is a clear need to digitalize PI as the demand in each traditional and new pills is constantly growing. Contract Development Manufacture Organizations (CDMOs) have a different digitalizing challenge. Digitalization of PI, and CDMO precisely, should be tightly associated to the main elements of Good Manufacture Practice (GMP), and, to succeed in PI digitalizing requires steady focus on GMP. Close collaboration with constantly altering stakeholders is another necessary factor which should be in focal point during digitalization of CDMO. This paper represents an overview over the principal aspects of CDMO digitalization and discusses each the opportunities and challenges of the process, focusing on the sensible solutions for successive digital implementation.