



Effect of Moisture Content of Excipient (Microcrystalline Cellulose)

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Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | HiCel(TM)Microcrystalline Cellulose is innovative excipient for Pharmaceutical Solid dosage form | HiCelTM Microcrystalline Cellulose is a stable hygroscopic material, which is widely used in Direct Compression Tableting. The Plasticity of MCC is one of the main reasons for its exceptional binding properties. The hygroscopicity of MCC is attributable to the abundant hydroxyl groups on cellulose chains. The sorption of moisture results in water molecules being tightly bound to the amorphous region of MCC, which are more hydrophilic than the crystalline region of MCC. This moisture reaches an equilibrium in the range of 4 to 5% and this is the range, when the tablet hardness of the tablets are the best. | Format: Paperback | Language/Sprache: english | 52 pp.



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