

鲜地黄配方颗粒成型工艺优选

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中文摘要:目的:探讨鲜地黄配方颗粒的成型工艺。方法:以制粒粒度、堆密度、流动性、溶化性、吸湿性为指标,考察不同辅料种类及辅料用量;以软材性状、制粒难易程度、成品性状为指标,考察不同体积分数乙醇,优选适宜润湿剂。结果:最佳制粒工艺为干燥粉与麦芽糊精按1:1比例混匀,以85%乙醇为润湿剂制软材,1号药筛挤压制粒,60℃干燥,整粒。成品颗粒的临界相对湿度60%。结论:该优选工艺方法简便易行,成品率高,为鲜地黄配方颗粒大生产提供实验依据。

中文关键词:鲜地黄配方颗粒 成型工艺 辅料

Optimization of Molding Process for Fresh *Rehmannia glutinosa* Formula Granule

Abstract:Objective: To investigate molding process of fresh *Rehmannia glutinosa* formula granule. Method: Kinds and consumption of accessories were investigated with particle size, bulk density, mobility, melting and moisture absorption as indexes; The concentrations of ethanol and optimum wetting agent were investigated with soft material properties, difficulty degree of granulation, product character as indicators. Result: Optimum granulation process was: mixing ratio of dry powder-maltodextrin 1:1, 85% ethanol as wetting agent to make soft material, extrusion granulation with one drug sieve, dried at 60℃, sorting particle. Critical relative humidity of product particles was 60%. Conclusion: This optimized process was simple with high yield, it could provide experimental basis for large-scale production of fresh *R. glutinosa* formula granule.

keywords: fresh *Rehmannia glutinosa* formula granule molding process accessories

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