

食品—研究报告

正交试验法优选瓜子金发酵口服液制备工艺研究

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摘要:

采用正交试验法设计对瓜子金发酵口服液制备工艺进行优化,以产品的外观评分为评价指标,考察了不同的口服液制备工艺对口服液色泽及透明度的影响,结果表明正交试验优选瓜子金发酵口服液制备工艺的最佳条件,即加水用量为总皂苷的8倍,加蔗糖为总皂苷的1倍,pH 7.0,静置时间为10 h。本研究试验结果可靠,以优化的工艺制备的口服液工艺澄清度好,且生产耗时短,有利于大生产。

关键词: 制备工艺

Study on Optimum Preparation Process in Oral Liquid of Fermented Polygala japonica Houtt.by Orthogonal Design

Abstract:

To optimize the preparation process of oral liquid of fermented Polygala japonica Houtt., an orthogonal design was adopted and optimized the process of preparation process in oral liquid of fermented Polygala japonica Houtt.. The index of orthogonal experiment in apparent grade was determined to study the influence made by different preparation processes of oral liquid of fermented Polygala japonica Houtt. upon the color and the clarity. The optimum conditions for oral liquid of fermented Polygala japonica Houtt. by orthogonal test optimized process were as follows: water for eight times the quantity of medicinal materials in the process of decoction, pH with 7.0 and 10 hours. The result of this experiment was reliable. The clarity of the oral solution prepared by the optimized process was better. Manufacturing process consumes shorter time, so it was propitious to the batch production.

Keywords: preparation process

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