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检索

跨刊检索

经典恒温法预测杭白菊和贡菊的有效期

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中文摘要:目的:研究绿原酸、木犀草苷、3,5-O-双咖啡酰基奎宁酸在杭白菊和贡菊中的稳定性,并预测杭白菊和贡菊的有效期。方法:采用高效液相色谱法测定绿原酸、木犀草苷、3,5-O-双咖啡酰基奎宁酸在杭白菊和贡菊中的含量,在恒温条件下进行加速试验,以获得恒温下的动力学参数。根据Arrhenius指数定律预测杭白菊和贡菊在室温下的有效期。结果:在室温条件下杭白菊贮存期为2.25年;贡菊贮存期为4.31年。结论:高温不利于杭白菊和贡菊的稳定,需置于避光阴凉处保存。

中文关键词:杭白菊 贡菊 经典恒温法 有效期 高效液相色谱法

Stable life prediction of Hangbaiju and Gongju by classic constant temperature accelerated test method

Abstract:Objective: To study the stability of chlorogenic acid, cynaroside and 3,5-O-discaffeoylquinic acid in Hangbaiju and Gongju and to predict their term of validity.**Method:** Hangbaiju and Gongju were incubated in an environmental chamber at different temperatures and relative humidities. After the incubation, quantitative determination of chlorogenic acid, cynaroside, 3,5-O-discaffeoylquinic acid in Hangbaiju and Gongju were measured by HPLC. The effective period of the preparation was calculated according to Arrhenius index law. Quantitative determination of 3,5-O-discaffeoylquinic acid, cynaroside, chlorogenic acid in Hangju and Gongju were analyzed by HPLC.**Result:** The stable life of Hangbaiju has been determined as 2.25 years, The stable life of Gongju has been determined as 4.31 years.**Conclusion:** The high temperature is not conducive to the stability of Hangbaiju and Gongju, which needs to be placed in a dark and cool place.

keywords: Hangbaiju Gongju classic constant temperature accelerated test method stable life HPLC

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