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川牛膝种子质量检验方法研究

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中文摘要:目的: 研究川牛膝种子质量各指标的检验方法, 为川牛膝种子质量检验规程的制定提供一定的参考依据。方法: 参照《农作物种子检验规程》, 筛选适合川牛膝种子质量检验的方法。结果与结论: 初步建立了川牛膝种子质量检验方法: 即最少样量8 g, 过20目筛后进行净度分析; 真实性检验采用形态观察和种子大小测量; 健康度检测则直接将种子接种于PDA培养基上, 28℃培养5 d后观察统计; 五百粒法测定千粒重; 高恒温(133±2)℃烘干时间3 h测定水分; 0.1% TTC溶液浸染3 h测定生活力; 种子置棉纸上, 25℃计数2-9 d进行发芽试验。

中文关键词: 川牛膝 种子 质量检验

Testing methods for seed quality of *Cyathula officinalis*

Abstract: Objective: To study testing methods of seed quality, and provide a basis for establishing seed testing specification of *Cyathula officinalis*. Method: Referring to the *Specifications for Agricultural Seed Testing*, the optimal testing methods of seed quality of *C. officinalis* were screened. Result and conclusion: The testing method for *C. officinalis* seed quality has been initially established. At least 8 g seeds should be sampled and passed through 20-mesh sieve for purity analysis. The phenotypic observation and size measurement were used for authenticity testing. The seeds were inoculated directly on PDA medium, cultured 5 days on 28 °C for seed health testing. The weight of 1 000 seeds was determined by using the 500-seed method. The water content of the seeds was determined under the higher temperature (133 ±2) °C for 3 hours. The seeds were dipped into 0.1% TTC solution 3 hours for determining viability. The seeds were cultured on pleated paper at 25 °C for 2-9 days for germination testing.

keywords: *Cyathula officinalis* seed quality testing
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