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论文

邻联甲苯胺法测定刺芹侧耳漆酶活力的影响因素

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摘要:

系统地研究了邻联甲苯胺法测定刺芹侧耳漆酶活力的影响因素。结果表明:波 长6 20 nm、反应温度30 ℃、pH 4 2、邻联甲苯胺浓度5 mmol / L、反应时间3 min时,刺芹侧 耳漆酶活力测定的灵敏度最高,酶活力最大,为3 033 U / (min • mL),是筛选前测定酶活力的1 98倍。

关键词: 漆酶 酶活力 邻联甲苯胺法 刺芹侧耳

Influential Factors of Laccase Activity fromPleurotus eryngii Determined by |Orthotolidine Spectrometry

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Abstract:

Influential factors of Laccase activity from Pleurotus eryng iidetermi ned by orthotolidine spectrometry were investigated systematically. The result s showed that the optimum conditions were that wavelength was at 620 nm, temperat ure was at 30 ℃, pH was at 4 2, ortho tolidine concentration was at 5 mmol / L and reaction time was for 3 minutes when both sensitivity rate of determination and the laccase activity were the highest and laccase activity was up to 3 033 U / (min • mL).It was 1 98 times of before.

Keywords: laccase enzyme activity orthotolidine spectrometry Ple urotus eryngii

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