

不同因素对同时蒸馏 - 萃取法(SDE)提取洋葱精油的影响

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摘 要: 本实验就加水量、溶剂用量和 NaCl 溶液浓度三个因素对 SDE 洋葱精油的影响进行探讨, 通过实验确定当洋葱浆液与 NaCl 溶液(90g/1000m l)的比例为 1:2、溶剂用量为 15ml 时, 提取得到的含硫化物浓度较高。
关键词: 同时蒸馏-萃取(SDE); 洋葱精油; 含硫化物

Study on Extraction Effects on SDE Onion Oil

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Abstract: Effects of the volume of water, the volume of solvent and the concentration of sodium chloride solution on the simultaneous distillation and solvent extraction of sulfur compounds in onion oil were studied. More sulfur compounds were obtained at the conditions that the ratio of onion homogenates to sodium chloride solution (90 g/1000 m l) is 1:2 and the volume of solvent 15 ml.

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续上表

GNI+ 革兰氏阴性 菌试板生化项目	API-20E 生化项目	坂崎肠杆菌的 生化反应
氧化酶反应	氧化酶试验	-
β-吡啶葡萄糖苷	/	+
多粘菌素 B 生长	/	-
棉子糖发酵	/	+
鼠李糖发酵	鼠李糖发酵	+
山梨醇发酵	山梨醇发酵	-
蔗糖发酵	蔗糖发酵	+
色氨酸脱氨酶	色氨酸脱氨酶	-
尿素分解	尿素分解	-
/	VP 试验	+
木糖发酵	/	+

本文在对自然样品的检测中, 特别针对了含植物蛋白的粉末状食品和进口乳制品。

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