

研究论文

不同品种、不同花期的依兰花精油成分研究

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摘要 为探讨依兰花精油的香气质量,我们对云南省西双版纳产依兰花精油以及引种栽培于西双版纳的泰国种、老挝种的依兰花精油的化学成分在Finnigan-4510 GC/MS/DS上用毛细管柱进行了定性和定量分析,鉴定了44个化学成分。分析结果表明,依兰油的香气与品种及精油中的酯类、醇类和酚醚的含量有关。倍半萜烯类和倍半萜醇类的含量越高,其香气质量越差。就西双版纳产依兰油的香气而言,依兰花由青转黄时得到的精油远较绿花和花蕾油为好。

关键词 [依兰](#) [依兰油分析](#) [香气剖析](#)

分类号

STUDIES ON THE CONSTITUENTS OF THE ESSENTIAL OILS FROM CANANGA ODORATA IN THE DIFFERENT VARIETIES AND THE FLOWERED PERIODS

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Abstract

In order to find the odor characteristic of the essential oils from *Cananga odorata* and its three varieties were studied, one of them have been collected from Xishuangbanna, Yunnan, China, the others introduced from Thailand and Laos and cultivated in Xishuangbanna. The chemical components of three Yilan-Yilan oils were analysed qualitatively and quantitatively by means of capillary GC/MS/DS on Finnigan-4510, and 44 different constituents were identified. As the analysed result, the odor of Yilan-Yilan oils was related to the varieties and contents of the esters, alcohols and phenolic ethers. The more sesquiterpenes and its alcohols a Yilan-Yilan oil contains, the worse its odor is. The essential oil obtained from the flowers that changed colour from green to yellow was better than the essential oils obtained from the green flowers and the flower buds.

Key words [Cananga odorata](#) [Analysis of the Yilan-Yilan oils](#) [Analysis of aroma](#)

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