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不同品种烤烟有机酸组成含量分析

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Study on the Composition and the Content of Organic Acids in Different Flue-cured Tobacco Varieties

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摘要

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摘要 通过小区试验,研究了云南宣威热水烟区烤烟主栽品种云烟85,云烟87,K326,红大的C3F烟叶中有机酸总量、挥发酸、非挥发酸及高级脂肪酸的组成含量。结果表明:同一产地,不同品种烤烟有机酸总量表现出K326>云烟85>云烟87>红大;红大品种烤烟的挥发酸含量较高,尤其是3-甲基戊酸,但非挥发酸和高级脂肪酸含量及饱和度相对较低;K326烤烟的挥发酸和非挥发酸含量均较高,尤其是异丁酸和苹果酸,高级脂肪含量相对较低,但高级脂肪酸的饱和度较高;云85,云87品种的挥发酸含量较低,而非挥发酸和高级脂肪酸含量却较高,且两品种间的差异不显著

关键词: 烤烟 品种 挥发酸 非挥发酸 高级脂肪酸

Abstract: A plot experiment was used to study on the composition and the content of volatile, non-volatile, and higher fatty acids in different flue-cured tobacco varieties including K326, Yunyan85, Yunyan87 and Hongda. The results showed that the content of organic acid in different flue-cured tobacco varieties exited K326>Yunyan85>Yunyan87>Hongda; Hongda contained more volatile acids, especially 3-methyl valeric acid, but the high fatty acid saturation and the content of nonvolatile, higher fatty acids were low. K326 contained more volatile and nonvolatile acids, especially isobutyric acid and malic acid; the higher fatty acids was low, but the high fatty acid saturation was high. The content of volatile acid in Yunyan85 and Yunyan87 was low, but nonvolatile and high fatty acids were high, and the difference between two varieties was not significant.

Keywords: Flue-cured tobacco varieties volatile acid non-volatile acid higher fatty acid

Fund:

上海烟草集团重点骨干品牌烟叶原料的品种喜欢性研究; 曲靖特色烟叶(天香工程)研究开发

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