

RESEARCH NOTES

超临界流体萃取脱除人参中痕量有机氯农药

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摘要 The feasibility of removal of the organochlorine pesticides residues of hexachlorocyclohexane (BHC) from radix ginseng with supercritical CO₂ was explored. Some factors, such as extraction pressure, extraction temperature, and kinds of co-solvents were investigated. The experimental results indicate that it is possible to reduce BHC residues in radix ginseng to the level of 0.1×10^{-6} with supercritical CO₂ in the presence of suitable amount of co-solvent, such as water.

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分类号

Isolation of Organochlorine Pesticide from Ginseng with Supercritical CO₂

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Abstract

The feasibility of removal of the organochlorine pesticides residues of hexachlorocyclohexane (BHC) from radix ginseng with supercritical CO₂ was explored. Some factors, such as extraction pressure, extraction temperature, and kinds of co-solvents were investigated. The experimental results indicate that it is possible to reduce BHC residues in radix ginseng to the level of 0.1×10^{-6} with supercritical CO₂ in the presence of suitable amount of co-solvent, such as water.

Key words [supercritical fluid extraction](#) [CO₂](#) [radix ginseng](#) [organochlorine pesticides](#) [hexachlorocyclohexane](#)

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