

Variation of Ginsenoside Type and Content in Red ginseng by Organic Acid Treatment

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This study investigated the type and the content change of red ginseng was added to the organic acid. In the organic acid acetic acid, maleic acid, succinic acid, tartaric acid was added to each of a 1% solution of 5% red ginseng solution, autoclave 121 °C to 0h, 1h, 2h, 4h, 6h, 8h, 10h, 12h, which was prepared by extraction of the sample. Ginsenoside analysis was performed by TLC and HPLC. Standard are Rb1, Rb2, Rc, Rd, Re, Rf, Rg1, Rg2, Rh1, Rh2 was used. On TLC in organic processed ginseng Rg2, Rh1 was like. But in 2 hours after the beginning did not change the amount or kind. Based on this result, and Rb is analyzed by HPLC was observed that changed to Rg2. Therefore, these results indicated that maleic acid was added to the active ingredient to the reinforcement 121 °C, 2 hour processing is determined to be effective.