

## Monitoring of Residual Sulfur Dioxide in Herbal Medicines

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This study was conducted to estimate residual sulfur dioxide in 30 kinds (368 samples) of herbal medicines circulated in Korea, China and Japan. In K.P.(Korea Pharmacopoeia), there are no criteria for residual sulfur dioxide. In this study, domestic, Chinese and Japanese herbal medicines were tested. The residue of sulfur dioxide was not detected at 283 samples, especially at all 107 samples of 9 kinds (Cassiae Semen, Cinnamomi Ramulus, Cervi Cornu, Hoelen, Crataegi Fructus, Artemisiae Argyi Herba, Scolopendrae Coupus, Schizandrae Fructus and Cyperi Rhizoma). The residues of sulfur dioxide for Gastrodiae Rhizoma from Osaka and Lycii Fructus from Beijing were determined 2,808 ppm and 2,427 ppm respectively. Residual sulfur dioxide contents in herbal medicines collected in domestic regions were relatively low as compared with those in foreign regions. The samples which showed over 500 ppm of sulfur dioxide were 4.5 percent of the all tested samples.