

平成 19 年度「日本薬局方の試験法に関する研究」研究報告\*4

—局方既記載生薬の性状記載並びに新規収載候補鉱物生薬カッセキの基原  
及び構成鉱物種に関する調査研究—

伏見 裕利\*1, 酒井 英二\*2, 川原 信夫\*3

**Review of Descriptions of Crude Drugs Registered in JP  
and Studies on Quality Evaluation of a New Candidate Mineral Crude Drug  
"Talcum Crystallinum" for JP 16**

Hirotooshi FUSHIMI\*1, Eiji SAKAI\*2 and Nobuo KAWAHARA\*3

**Summary**

The taste, odor and features upon microscopic observation of crude drugs are to serve as the criteria of propriety in the Japanese Pharmacopoeia (JP). Macroscopic features of the crude drugs are also noted in the description in each monograph, but these descriptions are not to serve as criteria. In this study, we compared the descriptions of macroscopic features of 140 crude drugs in JP15 and Pharmacopoeia of China (CP2005). We found that the origins of 111 (79%) crude drugs were the same in the two Pharmacopoeias, but most of the descriptions of macroscopic features were different.

"Huashi" is a Chinese mineral crude drug that has been used as a diuretic and for the treatment of urolithiasis. The origin of Huashi is unclear, and at least five types of Huashi are available in Japanese and Chinese markets. Samples of Huashi in the Japanese market were composed of halloysite, quartz and orthoclase, and had been imported from Fujian Prov. of China. However, we could not find the same type of Huashi in Chinese markets. Here, we describe a market survey in Fujiang Prov. of China, where Japanese Huashi is produced, and in Shandong Prov. of China, where Chinese Huashi has been produced from ancient times. Shandong Prov. is well-known for producing talc. In total, we collected 23 samples of Huashi. In order to determine the original mineral of these samples, we performed X-ray diffraction analysis. The results showed that no sample of the Japanese type was included among the commercial samples collected in Fujian Prov. and Shandong Prov. in China. Most of the Chinese samples were composed of mainly talc with small amounts of calcite, clinocllore, dolomite, magnesiohornblende, magnesite and quartz.

**Key words**

Pharmacopoeia, Crude drug, Description, Huashi, X-ray diffraction method