

Qualitative Evaluation for the Establishment of Chinese Medicine Reference Standard – Baicalin

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ABSTRACT

The raw material of baicalin was examined prior to the preparation of the “Baicalin Reference Standard”. The physico-chemical properties of the candidate material were examined by a collaborative study from seven laboratories. Analytical data obtained were summarized as follows: the UV maximum absorption wavelength and the corresponding specific absorbance were 277.2, 317.1 nm and 612.4, 387.9, respectively. IR Spectra showed IR absorption at 3397, 1725, 1661, 1610 and 1573 cm^{-1} . HPLC analysis showed 3-8 impurities where individual amount was $\leq 0.87\%$ and the total amount from any single laboratory was $\leq 1.78\%$.

Base on the above results, the candidate material met the requirement of authorization as the Baicalin Reference Standard.

Key words : baicalin, Chinese Medicine Reference Standard, collaborative study

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