

QUALITY CONTROL (QC) METHOD FOR HUASHIBaidu (HSBD) COMPOSITION

ABSTRACT

The present disclosure discloses a quality control (QC) method for a Huashibaidu (HSBD) composition, where the HSBD composition mainly includes the following components: ephedra, fried bitter almond, raw gypsum, licorice, *PogostemonisHerba*, *Magnolia officinalis*, bran-fried *AtractylodesLancea*, fried *Amomum tsaoko* fruit, *RhizomaPinelliae*, *Poriacocos*, *Rheum palmatum*, *Astragalus membranaceus*, *Semen Lepidii*, and *Paeoniae Radix Rubra*; and the QC method for an HSBD composition includes: (1) determining a total anthraquinone content, a free anthraquinone content, an ephedrine hydrochloride content, a pseudoephedrine hydrochloride content, and a paeoniflorin content in the HSBD composition by high-performance liquid chromatography (HPLC), and calculating a combined anthraquinone content, where the combined anthraquinone content = the total anthraquinone content - the free anthraquinone content; and (2) identifying ephedra, licorice, and *Magnolia officinalis* by thin-layer chromatography (TLC). The QC method can well control all links of a production process of an HSBD composition to effectively ensure the stability and controllability of a product quality.

Fig. 5