CCS X04

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 22996-2008

Determination of ginsenosides in ginseng - LC-UV method

人参中多种人参皂甙含量的测定 液相色谱-紫外检测法

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Foreword

The Standard Appendix A, Appendix B is an informative annex. This standard is proposed and managed by the State Administration of Quality Supervision Inspection and Quarantine of People's Republic of China. This standard was drafted. People's Republic of China Qinhuangdao Exit Inspection and Quarantine, People's Republic of China Liaoning Entry-Exit Inspection and Quarantine Bureau. The main drafters of this standard. Song Wenbin, Li Jun, Dongzhen Lin, Sun Yuling, Mike Sui, Lijia Chang, in a vast, on behalf of the British Cheng, Li Shu, Pang Guofang. Determination of ginsenosides in ginseng variety of content LC - UV detection method

1 Scope

GB/T 22996-2008 is the Chinese national standard on determination of ginsenosides in ginseng - lc-uv method. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 31 December 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 May 2009. Classification: ICS (ICS) , CCS X04. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the ginsenosides in ginseng (ginsenosides) Re, Rg1, Rf, Rb1, Rc, Rb2 content Liquid Chromatography - ultraviolet detector method. This standard is applicable to the determination of ginseng ginsenosides Re, Rg1, Rf, Rb1, Rc, Rb2 content in raw sun. The standard method detection limit. ginsenosides Re, Rg1, Rb1, Rc, Rb2 were 50mg/kg, ginsenoside Rf is 25mg/kg.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard. However, according to research encourages the parties to the agreement Study whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 6379.1 measurement methods and results of Accuracy (trueness and precision) - Part 1. General principles and definitions (GB/T 6379.1- 2004, ISO 5725-1.1994, IDT)

GB/T 6379.2 measurement methods and results of Accuracy (trueness and precision) - Part 2. Determine the standard measurement method to repeat Of the basic methods of reproduction (GB/T 6379.2-2004, ISO 5725-2.1994, IDT)

GB/T 6682 analytical laboratory use specifications and test methods (GB/T 6682-2008,

ISO 3696. 1987, MOD) Principle

3 By rapid solvent extraction (ASE) at high temperature and pressure conditions so that complete and total ginsenosides extracted into methanol, concentrated by Reduction, volume, liquid chromatography, external standard.

4 Reagents and materials

Water as a water GB/T 6682 regulations.

4.1 Methanol. chromatographically pure.

4.2 acetonitrile. chromatography.

4.3 sea sand. pure chemistry, particle size. 0.65mm ~ 0.85mm.

4.4 ginsenosides Standards. Re, Rg1, Rf, Rb1, Rc, Rb2 purity greater than 99%.

4.5 ginsenosides standard solution

4.5.1 six kinds of ginsenosides Re, Rg1, Rf, Rb1, Rc, Rb2 standard stock solution. 1.0mg/mL. Analytical balance accurately weighed amount The substance (4.4), respectively, with methanol (4.1) formulated into standard stock solution 1.0mg/mL of. At 2 °C ~ 4 °C in dark stock solution save.

4.5.2 six kinds of ginsenosides working standard solutions. The linear range for each ginsenosides sensitivity and instrument, the appropriate amount of six Kind of Ginsenosides stock standard solution (4.5.1), prepared in methanol and mixed standard working solution, stored in the dark at 2 °C ~ 4 °C.

Note. taking said quality reference material is corrected in accordance with the quality of purity.

5 Instruments

5.1 liquid chromatograph. equipped with a UV detector.