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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/Z 39244-2020

**Targeted poverty alleviation - Chinese medicinal materials -
Specifications for operation management of Gentiana
rigescens Franch. ex Hemsl. project**

精准扶贫 中药材 坚龙胆产业项目运营管理规范

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Foreword

This guiding technical document was drafted in accordance with the rules given in GB/T 1.1-2009. Please note that certain contents of this document may involve patents. The issuing agency of this document is not responsible for identifying these patents. This guiding technical document was proposed and managed by the China National Institute of Standardization. Drafting units of this guiding technical document. Yunnan Institute of Standardization, Institute of Medicinal Plants, Yunnan Academy of Agricultural Sciences, Lincang City Health Industrial Office. The main drafters of this guiding technical document. Qiu Xiaoyan, Jin Hang, Zhu Rong, Yang Tianmei, Li Baozhu, Jin Pengcheng, Li Jianchun, Wu Lihua, Yang Lihao, Jian Bangli, Wang Peiyong, Yang Weize, Kang Yanni, Yang Shaobing, Li Ning, Zuo Yingmei, Chen Yongmei, Yang Meiquan, Zhang Jinyu, Li Wanyi, Xiao Dan, Li Zhimin.

Gentianarigescens Franch. ex Hemsl. has the effects of clearing heat and dampness, purging liver and gallbladder fire, and is mainly used for damp-heat jaundice, Yin swelling and itching, vaginal discharge, eczema, itching, liver fire, red eyes, tinnitus and deafness, hypochondriac pain, painful mouth, convulsions and other symptoms. Jian Longdan is Longdan Xiegan Pill, Bitter Gall The main raw materials of Chinese patent medicines such as grass tablets, compound gentian tincture, and Shiwei Longdanhua capsules. At present, Chinese medicine companies using gentian as raw material There are more than 50 kinds of Chinese patent medicines using gentian as raw material, and 21 kinds of them are included in the pharmacopoeia. With the development of the biomedical health industry and medical In the development of new drugs in the pharmaceutical market, the demand for gentian is increasing year by year, and the supply exceeds the demand, and the price is rising year by year. The current purchase price is about 60 yuan/kg. Calculated, 1) output value is about 6000 yuan, which is a good industry for farmers in the alpine mountainous area to get rid of poverty and become rich. Gentiana is suitable for growing in high-altitude mountainous areas. The distribution areas are mainly in Yunnan, Guizhou, Sichuan and other places, which are also relatively concentrated poverty areas in my country. Through scientific planting technology Transforming to the standard, carrying out standardized

planting of strong gentian, and realizing the industrialized production of strong gentian, is to solve the problem of raw material shortage of strong gentian in pharmaceutical companies, An important way to ensure and improve the output and quality of Chinese patent medicine products and realize the sustainable development of the Chinese medicine industry. At the same time, the "poverty alleviation organization The industrial operation model of "supporting the implementation of the main target of assistance" can effectively help the poverty-stricken mountainous areas of border ethnic minorities to cultivate local characteristics of the economy, Promote farmers' income, optimize the structure of the rural economy, and promote regional economic development to target poverty alleviation industries. This guiding technical document can be used as a reference during the operation and management of the Poverty Alleviation Project in the Gentian Industry. 1) 1 mu ~666.67m2. Targeted Poverty Alleviation Project of Chinese Medicinal Gentiana Operation Management Standard

1 Scope

GB/Z 39244-2020 is the Chinese national standard on targeted poverty alleviation - chinese medicinal materials - specifications for operation management of gentiana rigescens franch. ex hemsl. project, in the field of services and company organization. The /Z suffix marks it as a guiding technical document: it does not prescribe requirements that can be certified against, but sets out the technique, the method or the state of the art that the standards bodies recommend following. It was issued on 19 November 2020 by the State Administration for Market Regulation; Standardization Administration of China. As a guiding technical document it carries no separate date of entry into force: it applies from publication. Classification: ICS 03.100, CCS A00. 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 guiding technical document gives the project conditions, division of responsibilities, project organization and operation, and project expectations of the gentian industry poverty alleviation project Effectiveness analysis, project risk response, project evaluation management, etc. This guiding technical document is applicable to the operation and management of the gentian industry project.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB 3095 Ambient Air Quality Standard

GB 5084 Farmland Irrigation Water Quality Standard

GB 15618 Soil Environmental Quality Agricultural Land Soil Pollution Risk Control Standard
(Trial) Pharmacopoeia of the People's Republic of China

3.1 Natural conditions

3.1.1 Environmental requirements It is suitable to grow at an altitude of 1500m~2500m, with a good ecological environment and pollution-free sunny slopes, sparse secondary forests or ancient tree tea gardens. During the growth period of seedlings, a shaded environment is required, and the air quality meets the air quality requirements of GB 3095 for agricultural areas.

3.1.2 Climatic conditions Choose an area where the annual rainfall is 700mm~1300mm, the temperature is 7°C~20°C, and the humidity is 60%~70%.

3.1.3 Soil conditions Use acidic red soil, yellow soil, humus soil, and fertile sandy soil with a pH value of

4.5 to 7.5, which requires good drainage, no heavy metals, agricultural Pollution by residues and other harmful substances. The soil environmental quality should meet the requirements of GB 15618 for soil pollution risk management and control of agricultural land.

3.1.4 Water quality conditions The quality of irrigation water meets the requirements of GB 5084, and there is no pollution source around the water source.

3.2 Personnel conditions

3.2.1 Have basic labor ability and be able to undertake field work such as soil preparation, sowing and mining.

3.2.2 Have a certain learning ability, be able to receive the necessary guidance and training on standardized planting techniques of gentian, and master the cultivation techniques.

3.2.3 There is land suitable for growing strong gentian.