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

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**Detection and identification of *Greeneria uvicola* (Berk. & M.A.
Curtis) Punith.**

葡萄苦腐病菌检疫鉴定方法

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document is proposed and coordinated by the National Technical Committee on Plant Quarantine Standardization (SAC/TC271).

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Quarantine and Identification Methods for Grape Bitter Rot Pathogen

1 Scope

This document describes the bitter rot pathogen *Greeneriauvicola* (Berk. Biological detection methods.

This document is applicable to the quarantine detection and identification of grape bitter rot pathogens in tissues such as leaves, stems and fruits of host plants.

2 Normative references

This document has no normative references.

3 Terms and definitions

There are no terms or definitions that require definition in this document.

4 Basic Information

Chinese name. Grape bitter rot.

Scientific name. *Greeneriauvicola* (Berk.

Classification. Fungi, Ascomycota, Pezizomycotina, Sordariomycetes), Diaporthales, Melanconielaceae, *Greeneria*.

For distribution, host, and other information, see Appendix A.

5 Identification Principles

The symptoms of grape bitter rot pathogens in harming the host, the morphological characteristics of the pathogen and the molecular biological characteristics are the basis for identifying the pathogen.

6 Instruments and equipment

6.1 Biological microscope. with measurement function.

6.2 Dissecting microscope. minimum 10x.

6.3 Constant temperature and light incubator. 5°C~60°C, temperature accuracy $\pm 0.1^{\circ}\text{C}$.

6.4 Electronic balance. sensitivity 0.001g.

6.5 Autoclave. Maximum pressure is 0.235MPa, and the adjustable temperature range is 105°C~135°C.

6.6 Desktop centrifuge. speed range is between 10000r/min and 30000r/min.

6.7 pH meter. range. pH 0.00~14.00, accuracy. $\pm 0.01\text{pH}$.

6.8 Constant temperature water bath. temperature range 4°C~100°C, temperature control accuracy $\pm 0.3^{\circ}\text{C}$.

6.9 PCR instrument. temperature range 4°C~100°C, temperature uniformity $\pm 0.4^{\circ}\text{C}$.