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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3679-2013

Detection and identification of Colletotrichum kahawae J.M.Waller et Bridge

咖啡浆果炭疽病菌检疫鉴定方法

(English Translation)

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard is proposed and managed by the National Certification and Accreditation Administration Committee.

This standard was drafted. People's Republic of China Zhuhai Entry-Exit Inspection and Quarantine Bureau, Shenzhen People's Republic of China Entry-Exit Inspection and Quarantine Bureau, South China Agricultural University.

1 Scope

This standard specifies the method for inspection and identification of coffee berry coffee seed and vegetative propagation material of the anthrax bacterium.

This standard applies to quarantine and identification of coffee berry anthrax bacteria.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

SN/T 1809 export plant quarantine rules for seed SN/T 2122 entry and exit quarantine of plants and plant products sampled

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3 Coffee berry anthracnose fungus basic information

Name. ColletotrichumkahawaeJ.M.WaleretBridge Synonyms. Colletotrichumcoffeanumvar.virulans Taxonomic position. Fungi (Fungi), asexual fungus (Anamorphicfungi), anthrax genus (Colletotrichum).

Transmission. coffee berry anthrax bacteria can be spread through contaminated host plants of flowers, leaves, shoots, fruits and seeds.

For additional information, see Appendix A.

4 Principle of the method

According symptom checker, moisturizing culture, isolation and culture, spore germination test, carbon metabolism of test methods for pathogen identification.

5.1 Instrument

Stereo microscope, optical microscope (with a microscopic camera device), micrometer, balance (sense of volume 0.1g), clean table, lighted culture Boxes.

5.2 Appliances

Hand-held magnifying glass, filter paper, beakers, petri dishes, flasks, tweezers, scissors, slides, cover slips, measuring alcohol lamp, such as straw.

6.1 Reagents

Agar, maltose, 1.25% sodium hypochlorite, 70% ethanol, dextrin, peptone, glycerol, citrate, ammonium tartrate, bromocresol purple, OH

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