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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3750-2013

Detection and identification of Botryosphaeria stevensii Shoemaker

苹果壳色单隔孢溃疡病菌检疫鉴定方法

(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 Guangdong Entry-Exit Inspection and Quarantine Bureau, Chinese Academy of Inspection and Quarantine.

1 Scope

This standard specifies the phytosanitary Apple shell color in a single compartment Alternaria canker quarantine authentication methods.

This standard applies to apples shell color single compartment spore identification canker quarantine all host plants of logs, branches, nursery stock and fruit.

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 2122 entry and exit quarantine of plants and plant products sampled Principle 3 According to Apple shell color single compartment spore canker infestation symptoms, colony characteristics, asexual bacteria type and type of sexual morphology of the pathogen detection Phytophthora identification.

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4.1 Media and Reagents

Potato dextrose agar (PDA. the 200g per 1000mLPDA peeled potato, 20g glucose, 18g agar with from the system), oatmeal agar (OA. oatmeal 30g per 1000mLOA made, 20g agar preparation), 100% lactic acid, 1% Sodium hypochlorite (NaOCl), 70% ethanol and sterile water.

4.2 Instruments and equipment

Stereo microscope, biological microscope (with oil immersion and micrometer), the general balance (inductance 0.1g), clean benches, biological incubator, high pressure Sterilizer, slides, cover slips, hole punch (diameter 4mm).

5.1 Symptom Check

Check the extraction of logs, wood products, surface shoots and seedlings bark if ulcers, if there are dead branches symptoms, check whether fruit Rot symptoms (symptom description and pictures see A.3, Figure B.1).

Press SN/T 2122 sampling, there will be samples of suspicious symptoms back to the laboratory for further examination.

5.2.1 Morphology of bacteria in the sample

Fruiting body collected after the cross-sections from the bark tissue sections were transferred to drops of sterile water slides, dried at room temperature plus

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