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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3683-2013

Detection and identification of Mycosphaerella gibsonii H. C. Evans

松针褐枯病菌检疫鉴定方法

(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 Anhui Entry-Exit Inspection and Quarantine Kunshan People's Republic of China Bureau, People's Republic of China Hubei Exit Inspection and Quarantine.

1 Scope

This standard specifies the entry and exit inspection and identification of plant quarantine in the pine needles brown bryoniae MycosphaerellagibsoniiH.C.Evans method.

This standard applies to the host plant seedlings from brown pine needle blight pathogen infected areas, cut branches and pine needles quarantine.

2 Brown pine needle blight pathogen basic information

Name. MycosphaerellagibsoniiH.C.Evans1984 Synonyms. CercosporapinidensifloraeHori bu) Deighton English name. Brownneedleblightofpine, cercosporapineblight Taxonomic position. brown pine needle blight pathogen sexual stage of Ascomycota (Ascomycota), seat bag Proteobacteria (Dothidemycetes), ball cavity bacteria Section (Mycosphaerelaceae), genus ball cavity (Mycosphaerella); its asexual stage Pseudocercospora pini-densiflorae (Hori Transmission. brown pine needle blight bacteria by

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wind, rain spread up close, with the contaminated nursery stock, cut branches operate transfer over long distances.

Brown pine needle blight pathogen other relevant information, see Appendix A.

3 PRINCIPLE OF THE METHOD

The method is to follow the brown pine needle blight pathogen morphological characteristics of the main symptoms of damage, host and geographical distribution, supplemented by the principles identified.

4.1 Instrument

Microscope, clean benches, electronic scales, light incubator, Autoclave.

4.2 Appliances

Petri dishes, beakers, flasks, tweezers, scissors, transplant ring, slides, cover slips, measuring pipette, alcohol lamp.

5.1 Reagents and materials

V8 juice, dextrose, agar, sterile water, 75% alcohol, potato, pine needles.

5.2 Medium

V8 juice Garzon needle dextrose medium (PV), potato dextrose medium (PDA), media formulations given in Appendix B.

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