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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3277-2012

Detection and identification of avocado sunblotch viroid

鳄梨日斑类病毒检疫鉴定方法

(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, Shenzhen CIQ, Shenzhen Inspection and Quarantine Science Research Institute, China Inspection Quarantine Science Research Institute.

1 Scope

This standard specifies the entry plant quarantine for avocado sunspot-like virus RT-PCR, and from the polyacrylamide gel electrophoresis and biology Three quarantinable identification method for the determination.

This standard applies to the entry and exit inspection and identification of avocado seed in sunspot-like virus.

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 sampling rules Principle 3 Avocado sunspot-like virus (avocadosunblotchviroid, ASBVd) belongs to the virus family avocado date of grouper (Avsunviroidae) avocado Sunspot-like virus genus (Avsunviroid). Biology and molecular biological properties such virus (see Appendix A) is a major

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quarantine and identification in accordance with.

4.1 Equipment and Facilities

Balance (a sense of volume, 1/10000g), pH meter, PCR instrument, electrophoresis, tank, gel imaging system, quarantine greenhouses, water bath, Cryogenic refrigerators.

Micropipette (2μL, 10μL, 20μL, 100μL, 200μL, 1000μL), mortar tubes, flower pots, sterilize soil.

4.2 RT-PCR detection reagent

See Appendix B.

And from 4.3 polyacrylamide gel electrophoresis detection reagents See Appendix C.

5 Sample Preparation

Sampling carried out in accordance SN/T 2122's.

5.1 Seeds

Random sample of 100 seeds, divided into five groups, at (20 °C ~ 28 °C) conditions for germination in a suitable germination temperature until the first grow Pair of true leaves. 20 seedlings were randomly selected leaves per plant take 1g blade to prepare a sample.

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