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

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Detection and identification of Potyvirus zeae

玉米矮花叶病毒检测鉴定方法

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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).

This document was drafted by: China Inspection and Quarantine Scientific Research Institute, Fujian Academy of Agricultural Sciences Fruit Research Institute, and Fuzhou Customs Technical Center.

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Quarantine and Identification Methods for Maize Dwarf Mosaic Virus

1 Scope

This document describes serological and molecular methods for the detection of Maize Dwarf Mosaic Virus.

This document applies to the quarantine identification of maize dwarf mosaic virus.

2 Normative references

GB/T 6682

3 Terms and definitions

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

4 Maize Dwarf Mosaic Virus Classification Information

Chinese name. Maize dwarf mosaic virus.

Scientific name. Potyviruszeanans. Abbreviation. MDMV.

Classification. Patatavirales, Potyviridae, Genus Poty- virus).

Additional information on Maize Dwarf Mosaic Virus is provided in Appendix A.

5 Principles of the method

The serological characteristics and genomic characteristics of maize dwarf mosaic virus are the basis for quarantine identification of the virus.

Method. Through the effective combination of these methods, it is determined whether the sample contains corn dwarf mosaic virus.

6.1 Reagents

Unless otherwise specified, all reagents were of analytical grade.