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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3430-2012

Detection and identification of Melampsora farlowii(J.C.Arthur)J.J.Davis

铁杉叶锈病菌检疫鉴定方法

(English Translation)

Issued on: December 12, 2012 **Implemented on: July 1, 2013**

Issued by: General Administration of Customs

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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, KUNMING University, Southwest Forestry College.

1 Scope

This standard specifies the phytosanitary hemlock leaf rust (Melampsorafarlowii (JCArthur) JJDavis) quarantine Kam Setting Method.

This standard applies to hemlock (including hemlock seedlings) Hemlock leaf rust on quarantine and identification methods.

2 Terms and definitions

The following terms and definitions apply to this document.

Spore device (pycnia) and spore (pycniospore) Mononuclear mycelium spore consists of spores germinate to form infested host formation is rust genitals. Spore reactor sexual spores Trichogyne child and sexual spores monocytes.

Aecium (aecia) and rust spores (aeciospore) Aecium binding or binding with a single-core dual-core secondary mycelium hyphae produce spores and consists of fertilized wire, which produced a string, solitary Cell, dual-core, yellow, spherical or ovoid spores is rust spores.

Uredia (uredinia) and summer spores (urediniospore) Uredia mycelium dual-core piles produced spores during the growing season can continuously produce many times, usually yellow, orange and yellow.

Urediniospores single cell, dual-core, spherical, oval, elliptical, oval-shaped lower end of the

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truncated, upper end of the lower thicker prism and so on, the surface with fine spines Warts or spines.

Telia (telia) and winter spores (teliospore) Thick-walled hyphae produced by the dual-core sexual spores winter spores, usually late in the growth of dormant spore formation. Single cell or multiple cells.

Burden (basidia) and spores (basidiospore) Teliospore sent by the body to produce the germination. Burden transverse four cells, each cell birth to a small handle on green spores. Spores unicellular, no or slightly yellow color.

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3.1 Basic Information

Scientific name. Melampsorafarlowii (JCArthur) JJDavis English common name. Hemlockrust Taxonomic position. the genus Tsuga leaf rust fungus industry Fungi, Basidiomycota Basidiomycota, rust Gang Urediniomycetes, rust Head Uredinales, gate rust Branch Melampsoraceae, gate rust genus Melampsora.

Distribution. Canada, United States.

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