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

SN/T 1451-2004

**Methods for the quarantine and identification on
Callosobruchus phaseoli (Gyllenhal)**

灰豆象检疫鉴定方法

(English Translation)

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Foreword

Appendix A, Appendix B and Appendix C of this standard are normative appendices.

This standard is proposed and managed by the National Certification and Accreditation Administration.

1 Scope

This standard stipulates the quarantine and identification methods for gray bean elephants in the entry and exit plant quarantine.

This standard applies to the quarantine and identification of gray bean elephants in inbound and outbound beans.

2 Normative references

The terms in the following documents become the terms of this standard by reference to this standard. All dated references, followed by all Modifications (not including errata content) or revisions do not apply to this standard, however, parties to agreements based on this standard are encouraged to study is it possible to use the latest version of these files? For undated references, the latest edition applies to this standard.

SN/T 0800.1-1999 Import and export grain and oil, feed inspection sampling and sample preparation methods

3 Principle

After the larvae bite the egg shell and break into the bean granules, the larvae are four years old, and they develop in the bean granules and sputum in them. When they emerge, the worms rupture on the beans.

The feathered holes come out. Adults fly well, but long-distance transmission is mainly carried out through the transport of their host bean seeds.

3.2

The biological learning and morphological characteristics of the gray bean image provide a basis for the development of its identification method.

4 Instruments and appliances

Stereo microscope, biological microscope, micrometer, finger tube, sample sieve, white porcelain plate, scalpel, anatomical needle, forceps, slide, coverslip, Straws, small writing brushes, labels, absorbent paper, glass bottles, incubators, small beakers, alcohol lamps.

5 Reagent and solution preparation

5.1 10% potassium hydroxide (KOH) or 10% sodium hydroxide (NaOH) solution.

5.2

Holstein sealing liquid. Add 30g of gum arabic to 50mL of distilled water, heat in a water bath, and gradually add.200g after the gel is completely dissolved.

Hydrate trichloroacetaldehyde, stir evenly while adding, and finally add 20mL of glycerin and mix thoroughly. Placed in a 60 ° C incubator for 24 h, with clean glass wool and yarn the cloth is filtered and kept in the dark for later use.

6.1 General requirements

6.1.1

Spot checks are conducted on site.

6.1.2

Before the spot check, the relevant documents, origin, packaging, steamed bread, variety and quantity of the beans to be inspected shall be verified.

6.1.3

Check whether the origin of the goods and the place of passage are infected areas.

6.1.4

Randomly check the spot and check for the presence or absence of insects inside, outside, around the gap, etc.

6.2 Number of checks

Performed in accordance with the provisions of SN/T 0800.1-1999.

7 Sampling

7.1

Sampling in conjunction with spot checks.