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SN

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

SN/T 1005-2010

Replacing SN/T 1005-2001

**Determination of flavophospholipol residues in meat for import
and export. Cylinder plate method**

进出口肉品中富拉磷残留量检测方法 杯碟法

(English Translation)

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Foreword

Instead of the standard SN/T 1005-2001 "Meat exports in Fula phosphorus residues in plate method." this standard compared with SN/T 1005-2001, the main changes are as follows.

- Changing the name of the standard;
- The structure and format of the original text of the standard has been revised;
- Regulate the amount of units, symbols of expression;
- The method of preparation of the solution put in Appendix A;
- Deleted the original standard provisions on sampling and inspection lot number;
- Increasing the passage of the test strains and conservation requirements;
- The recovery of the experimental data to a range of values.

Appendix A of this standard is a normative appendix.

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

This standard by the People's Republic of China Hubei Exit Inspection and Quarantine is responsible for drafting.

1 Scope

This standard specifies the Meat Importers Fula phosphorus residues of sample preparation and assay cup and saucer.

This standard applies to import and export pig meat division in Fula phosphorus residues, can refer to the use of other types of meat.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

SN/T 1750 food of animal origin antibiotics residue detection method for microbial inhibition assay

3 Method summary

Extracted with 50% methanol solution in the sample fould phosphorus, homogenized, adjusted to pH 8.0 with sodium hydroxide solution, refluxed for 15min, after cooling Centrifuged and the supernatant was measured plate method. Sample liquid residue Fula phosphorus inhibiting the growth of *Bacillus cereus* produce inhibition zone from the zone of inhibition the size of a standard curve measured quantitatively meat sample liquid Fula residual phosphorus content.

4 Reagents and materials

Unless otherwise specified, the reagents were of analytical grade, water is distilled water.

4.1

methanol.

4.2

Sodium hydroxide solution. 40% (mass fraction).

4.3

NS. See Appendix A, Section A. Chapter 1.

4.4

buffer I (pH7.0). See Appendix A, Section A. 2.

4.5

Fula phosphorus standard stock solution. See Appendix A, Section A. 3.

4.6

Fula phosphorus standard working solution. See Appendix A for the first A. 4.

4.7

Medium I. See Appendix A, Section A. 5.

4.8

Medium II. Appendix A, Section A. 6.

4.9

Fula phosphorus standards. Residue analysis reference material, suppliers C70H121N5O40P, CAS number. 11015-37-5.

Strain and save passage may refer to Appendix B of SN/T 1750.

5 Apparatus

5.1

dish. diameter 90mm, bottom smooth, with terracotta cover.

5.2

Oxford Cup. stainless steel, an outer diameter of $8.0\text{mm} \pm 0.1\text{mm}$, an inner diameter of $6.0\text{mm} \pm 0.1\text{mm}$, height $10.0\text{mm} \pm 0.1\text{mm}$.

5.3

vernier caliper. Measuring range 0mm ~ 150mm, precision 0.02mm; inhibition zone measuring instrument can be used, or other equivalent measuring instruments.

5.4

homogenizer. speed of not less than 10000r/min.

5.5

centrifuge. speed of not less than 3000r/min.

5.6

incubator. 0 °C ~ 50 °C, the shelf should be level.