

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

**SN/T 2215-2008**

---

**Determination of phenothiazines residues in animal original  
food for for import and export. Enzyme-linked immunosorbent  
assay**

进出口动物源性食品中吩噻嗪类药物残留量的检测方法 酶联免疫法  
**(English Translation)**

**Issued on: November 18, 2008**

**Implemented on: June 1, 2009**

---

**Issued by: General Administration of Customs**

## Table of Contents

|                          |
|--------------------------|
| Foreword                 |
| 1 Scope                  |
| 2 Normative references   |
| 3.1 Sample Preparation   |
| 3.2 Sample Storage       |
| 4 Method summary         |
| 5 Reagents and materials |
| 5.5 Standard solution    |

### Foreword

Appendix A of this standard is an informative annex.

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

This standard was drafted. People's Republic of China Zhejiang Exit Inspection and Quarantine.

### 1 Scope

This standard specifies the method of enzyme-linked immunosorbent assay phenothiazines antibiotic residues in animal products.

This standard applies to meat, offal, fish and milk chlorpromazine, acepromazine, propionyl oxaprozin, and total residual trifluoroacetic oxaprozin Determination.

### 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.

GB/T 6682 analytical laboratory use specifications and test methods (GB/T 6682-2008, ISO 3696. 1987, MOD) Preparation and preservation of samples 3

### 3.1 Sample Preparation

Tissue samples. all the samples taken from a representative sample of about 500g, with the organization stamp mill crushed sufficiently uniform, were divided into two, respectively Into a container, sealed, marked and labeled.

Milk and milk powder. take the original packaging from a representative sample of about 500g, mix well, are divided into two, respectively, into the vessel, dense Sealed, marked and labeled.

### 3.2 Sample Storage

The samples were stored at -18 °C ~ -20 °C condition.

## 4 Method summary

The standard samples were extracted with acetonitrile and basic residues chlorpromazine, acepromazine, propionyl oxaprozine, and trifluoroacetic oxaprozine. Microplate package There chlorpromazine antibody was added chlorpromazine standard or sample extract and the enzyme was after chlorpromazine or free extract residues and enzyme-labeled Chlorpromazine and antibody binding competitive. Chlorpromazine and remove unbound enzyme-labeled purified by washing, followed by addition of chromogenic substrate, using a microplate reader Absorbance was measured from the absorbance worth of content in the sample residue.

## 5 Reagents and materials

Unless otherwise indicated, all reagents were of analytical grade water as a water GB/T 6682 regulations.

### 5.1

phenothiazines detection kit (see Appendix A).

### 5.2

acetonitrile.

5.3 40% sodium hydroxide solution. Accurately weigh 40.0g of sodium hydroxide dissolved in water and dilute to 100mL.

### 5.4

Standard. chlorpromazine, purity  $\geq 98\%$ ; acepromazine, purity  $\geq 98\%$ ; propionyl oxaprozine, purity  $\geq 98\%$ ; oxaprozine, purity  $\geq 98\%$ ; three Fluorine oxaprozine, purity  $\geq 98\%$ .

## 5.5 Standard solution

### 5.5.1

Standard stock solution. Weigh 5mg (accurate to 0.1mg) chlorpromazine, acepromazine, propionyl oxaprozin,, trifluoropropyne Triazine, dissolved in methanol and set the volume to 10mL, to give the concentration of 500mg/L of standard stock solution. The stock solution can be -20 °C Protected from light and stored at 12 months.

### 5.5.2

intermediate mixed standard solution. Pipette a variety of standard stock solution 0.2mL (oxaprozin as 0.1mL) in a brown flask given by