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

GB/T 9695.10-2008

Replacing GB/T 9695.10-1988

**Meat and meat products -- Determination of BHC and DDT
(English Translation)**

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Table of Contents

Foreword
1 Scope
2 Normative references
3 Terms and Definitions
5 Reagents and materials

Foreword

GB/T 9695 consists of the following components.

- GB/T 9695.1 "Meat and meat products - Determination of free fat content";
- GB/T 9695.2 "Meat and meat products - Determination of fatty acid";
- GB/T 9695.3 "Meat and meat products - Determination of iron content";
- GB/T 9695.4 "Meat and meat products - Determination of total phosphorus content";
- GB/T 9695.5 "Meat and meat pH measurement";
- GB/T 9695.6 "meat Carmine colorant determination";
- GB/T 9695.7 "Meat and meat products - Determination of total fat content";
- GB/T 9695.8 "Meat and meat products - Determination of chloride content";
- GB/T 9695.9 "Meat and meat products polyphosphate determination";
- GB/T 9695.10 "meat and meat products BHC and DDT residues determination";
- GB/T 9695.11 "Meat and meat products - Determination of nitrogen content";
- GB/T 9695.13 "Meat and meat products - Determination of calcium content";
- GB/T 9695.14 "meat starch content determination";
- GB/T 9695.15 "Meat and meat products - Determination of moisture content";
- GB/T 9695.17 "Meat and meat products - Determination of glucono-lactone content of -delta-";
- GB/T 9695.18 "Meat and meat products - Determination of ash";
- GB/T 9695.19 "Meat and meat sampling method";
- GB/T 9695.20 "Meat and meat products - Determination of zinc";

- GB/T 9695.21 "Meat and meat products - Determination of magnesium content";
- GB/T 9695.22 "Meat and meat products - Determination of copper content";
- GB/T 9695.23 "Meat and meat products L (-) - hydroxyproline determination";
- GB/T 9695.24 "Meat and meat cholesterol content determination";
- GB/T 9695.25 "Meat and meat products - Determination of vitamin PP";
- GB/T 9695.26 "Meat and meat products - Determination of vitamin A content";
- GB/T 9695.27 "Meat and meat products - Determination of vitamin B1";
- GB/T 9695.28 "Meat and meat products - Determination of vitamin B2";
- GB/T 9695.29 "Meat vitamin C content determination";
- GB/T 9695.30 "Meat and meat products - Determination of vitamin E content";
- GB/T 9695.31 "Meat total sugar content determination." this section GB/T Part of 109,695.

This Part replaces GB/T 9695.10-1988 "meat and meat products BHC and DDT residues determination." Section compared with the GB/T 9695.10-1988 The main changes are as follows.

- According to GB/T 1.1-2000 "Standardization Guide Part 1. Standard structure and writing rules" and GB/T 20001.4-2001 "Rules for drafting standards - Part 4. Chemical analysis method" has been restructured and text modify;
- Increasing the normative references;
- Added "Terms and Definitions", "precision" and "Test Report" chapters;
- Modify the BHC and DDT concentrations of standard working solution;
- Capillary columns instead of carrier body and fixative;
- Increased meat grinder, rotary evaporator, and the soxhlet extraction apparatus three instruments;
- Modified purification operations;
- Modify the formula;
- Increase the informative Appendix A and Appendix B.

Appendix A of this section and Appendix B is an informative annex.

This part of the National Technical Committee of Standardization Technical Committee eggs and meat products food industry and focal points.

This section drafted by. China Chamber of Commerce Business Standard Centre, the

National Food Quality Supervision and Inspection Center Processing (Guangzhou),
Guangzhou Product quality supervision and inspection.

1 Scope

GB/T 9695 provisions of this part of the BHC and DDT residues determination of meat and meat products.

This section applies to meat and meat products Determination of HCH and DDT residues.

2 Normative references

The following documents contain provisions which, through reference to GB/T 9695 to the present, constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest version of the referenced files. For undated reference documents, the latest versions apply to this section.

Laboratory use specifications and test methods (. 1987 neq ISO 3696) GB/T 6682-1992
Analysis

3 Terms and Definitions

The following terms and definitions apply to this part of the GB/T 9695's.

Under the conditions specified in this section, the determination of alpha-HCH, beta-HCH, gamma-HCH, delta-HCH isomers and four kinds of BHC sample Principle 4 Sample of BHC and DDT were extracted, purified and concentrated, with electron capture detector of gas chromatograph (see Appendix B) Inspection Measurement. Based on retention time qualitative and quantitative standard curve.

5 Reagents and materials

In addition, unless otherwise specified, the reagents used in this section shall apply to pesticide residues analysis. The solvent used should be measured in accordance with the procedures of the sample short White test to check its purity, it will affect the determination of the peak on the baseline should not be solvent chromatogram.

5.1

Water. Water line with a GB/T 6682-1992 requirements.

5.2

petroleum ether. boiling range 60 °C ~ 90 °C, redistilled (6.4).

5.3

hexane. redistilled (6.4) and verification.

5.4

Benzene. redistilled (6.4) and verified.

5.5

anhydrous sodium. AR. 650 °C burning 4h, stored in a desiccator.

5.6

sodium sulfate solution [Ba (Na₂SO₄) = 20g/L]. Weigh 20g of anhydrous sodium sulfate (5.5), dissolved in water and diluted to 1000mL.

5.7

Concentrated sulfuric acid. pure class distinctions.

5.8

perchloric acid. pure class distinctions.

5.9

glacial acetic acid.

5.10

perchloric acid acetic acid mixture [1 + 1 (volume ratio)]. Measure 50mL of perchloric acid (5.8), 50mL glacial acetic acid (5.9), and mix.

Purity greater than 95%.

5.12

single standard stock solution. Provided by nationally recognized standard material sales units, or prepared as follows. Weigh each pesticide