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

GB/T 9695.15-2008

Replacing GB/T 9695.15-1988

**Meat and meat products -- Determination of moisture content
(English Translation)**

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Foreword

GB/T 9695 consists of the following components.

- GB/T 9695.1 "Meat and meat products - Determination of free fat";
- 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 -delta-content";
- 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 - Determination of hydroxyproline content";
- 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 is Part 15 GB/T 9695's.

The partial modification of the international standards ISO 1442 Implementation.1997 "Meat and meat products - Determination of moisture content" (in English).

This part of ISO 1442:1997 Main technical modifications compared as follows.

- Added "distillation";
- Increase Normative references GB/T 6682-2008;
- Reagent water requirement was changed to "shall comply with GB/T 6682-2008 in three water requirements";
- With GB/T 9695.19 instead of ISO 3100-1;
- Of sand particle size requirement was changed to "sand particle size should be between 12 mesh to 60 mesh";
- Increasing the operating method of chlorine test (see 12.2).

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 methods" of ISO 1442:1997 main editorial carried by the following.

- Delete ISO 1442:1997 Foreword;
- With "this Part" instead of "this International Standard";
- By decimal points instead of ISO 1442:1997 as a decimal point, "";
- The formula increases the number.

This Part replaces GB/T 9695.15-1988 "Meat and meat products - Determination of

moisture content." this portion of the GB/T 9695.15-1988 compared to the main changes are as follows.

- According to GB/T 1.1-2000 and GB/T 20001.4-2001 been restructured and editorial changes;
- According to GB/T 1.1-2000, delete the English name of "Methodfor";
- Chapter 1 increased the scope of application of the second law of explanation;
- Chapter 1 Delete "sausage method for the determination of moisture another book" "except sausage products" and statements;
- Chapter 2 increase Normative references GB/T 6682-2008;
- Added "distillation";
- The Chapter 4, "the reagents were of analytical grade, water is distilled water or equivalent purity" was changed to Chapter 12, "unless otherwise specified, the reagents used were of analytical grade, "added the method of preparation portion of the solution, increasing the provision" 12.1 Water. should be consistent GB/T 6682-2008 in three water requirements ";
- Chapter 8 of the "x0" was changed to Chapter 16 of "X2";
- With "precision 17" and its contents instead of "9 to allow poor" and its contents;
- Sample size from the original "5g ~ 10g" to "5g ~ 8g";
- Added "Test Report" chapter.

This part of the National Standardization Technical Committee of poultry meat products and centralized.

This section is drafted. Shenzhen Academy of Metrology and Quality Inspection, China Chamber of Commerce Business Standard Centre.

1 Scope

GB/T 9695 provisions of this part of the meat and meat products Determination of moisture content.

This part of the first method is suitable for measuring the moisture content of meat and meat products; second method is applicable to other volatile substances containing less meat Determination of moisture content of the article.

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 references, all subsequent amendments (excluding corrections) or revisions do not apply to this section, however, encourage an agreement under this section Parties to study the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 6682-2008 analytical laboratory use specifications and test methods (ISO 3696. 1987, MOD) GB/T 9695.19 Meat and meat products - Sampling Methods the first distillation method Principle 3 Moisture from the samples together with toluene or xylene was distilled off, the distillate was collected in the receiver, content is calculated based on the volume of distillate.

4 Reagents

Toluene or xylene. Take toluene or xylene, first to the water saturation, points to the water layer, distillation, collecting distillate spare.

5 Instruments

Moisture control. 1 (with adjustable electric furnace). Water pipe receiving capacity 5mL, the minimum scale value 0.1mL, capacity error Less than 0.1mL.

1 --- 250mL Erlenmeyer flask;

2 --- water receiving tube (graduated);

3 --- condenser.

Figure 1 Moisture Tester