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

GB/T 9695.8-2008

Replacing GB/T 9695.8-1988

**Meat and meat products -- Determination of chloride 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 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 Section 89695 of.

The partial modification of the use of ISO 1841-1:1996 "Meat and meat products - Determination of chloride content - Part 1. Volhard method" (English Version) and ISO 1841-2:1996 "Meat and meat products - Determination of chloride content - Part 2. potentiometric titration" (in English). For the convenience of in use, the merger of these two criteria in this section.

Taking into account China's national conditions, this section made the following technical corrections.

- Added "5.8 glacial acetic acid" in the first method.
- Increased by formula (1) in "200" and "20" in the first annotation process, easy to understand. By deleting the original formula in the "%" symbol, because the original public the formula is based on W_{c1} mass fraction.
- In the second method of "15.2" indicates a mixer volume, favorable configuration.
- Added "15.6" automatic potentiometric titrator In the second method, "15.7" Precision analytical balance from $\pm 0.1g$ to $\pm 0.001g$.
- "18.3 Determination of" added "parameter in the second potentiometric titration method. titration method for the dynamic method; dosing rate of Minimum 25 μ L/min... "
- With GB/T 9695.19 instead of ISO 3100-1.

In addition, the structure of this section has made appropriate changes.

- The ISO 1841-1:1996 as the first law of this part, ISO 1841-2:1996 as the second part of this Act;

- Remove the ISO 1841 preface;
- Remove the ISO 1841-2:1996 in the "Scope" and "Definitions";
- Remove the ISO 1841-2:1996 in "titration curve", because the content is operational processes;
- Increase the informative Appendix A;
- Removed some references.

This Part replaces GB/T 9695.8-1988 "Meat and meat products - Determination of chloride content." Section compared with the GB/T 9695.8-1988 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 methods" for the restructuring and editorial changes;
- With Chapter 10, "precision" and its contents instead of GB/T 9695.8-1988, Chapter 9, "allows poor" and its contents;
- Added "Test Report" chapter;
- To increase the "potential method" as the second method;
- Added Appendix A and reference.

Appendix A of this section 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 meat and meat products - Determination of chloride content.

The first part of this method for the determination of sodium chloride content in meat and meat products is greater than or equal to 1.0% (mass fraction) of chloride, the second method for the determination of sodium chloride content in meat and meat products is less than 1.0% (mass fraction) of chloride.

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.

Measured according to the method specified in this part of the chloride content. Mass fraction of sodium chloride representation.

Principle 4

Extraction with hot water of chloride in the sample, the protein was precipitated after filtration the filtrate was acidified by adding an excess of silver nitrate, ferric ammonium sulfate to refer to it shows agents, titrated with standard solution of potassium thiocyanate excess silver nitrate.

5 Reagents

Unless otherwise specified, the reagents were of analytical grade.

5.1

Water. distilled water, halogen-free, and shall comply with the provisions of GB/T 6682-1992 of.

Halogen-free tests. amount of 100mL of water was added 1mL silver nitrate [Ba (AgNO₃) = 0.1mol/L] and 5mL nitric acid [Ba (HNO₃) ~4mol/L], should appear slightly turbid or cloudy.

5.2

nitrobenzene or 1-nonanol.

5.3

nitrate [Ba (HNO₃) ~4mol/L]. amount of 1 volume of concentrated nitric acid (rho₂₀ = 1.39g/mL ~ 1.42g/mL) and 3 volumes of water, Mix well.