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GB/T 6439-2007 / ISO 6495:1999

Replacing GB/T 6439-1992

Determination of Water-Soluble Chlorides in Feeds

(ISO 6495:1999, IDT)

饲料中水溶性氯化物的测定

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Foreword

This Standard equivalently adopts the international standard ISO 6495:1999 *Animal Feeding Stuffs – Determination of Water-Soluble Chlorides Content* (English Version).

This Standard made the following editorial modifications:

--- Change “This International Standard” to “This Standard”;

--- Delete the Foreword of the international standard;

--- Quote “GB/T 6682 Water for Analytical Laboratory Use - Specification and Test Methods” corresponding to “ISO 3696 Water for Analytical Laboratory Use”; and “GB/T 20195 Animal Feeding Stuffs – Preparation of Test Samples” corresponding to “ISO 6498 Animal Feeding Stuffs – Guidelines for Sample Preparation” in the “Normative References”;

--- Add “GB/T 14699.1 Feeding Stuffs - Sampling” in the “Normative References”;

--- Use “GB/T 20195 Animal Feeding Stuffs – Preparation of Test Samples” corresponding to “ISO 6498 Animal Feeding Stuffs – Guidelines for Sample Preparation” to replace in the text “6 Sampling”;

--- Add the No. to the calculation formula according to the requirements of GB/T 1.1-2000.

This Standard replaced GB/T 6439-1992 Method for the Determination of Water-Soluble Chloride in Feedstuffs.

The major technical differences between this Standard and GB/T 6439-1992 are as follows:

--- Specify in detail the requirements for the analysis steps adopted by different samples;

--- Specify the determination of water-soluble chloride content in feed expressed by sodium chloride instead of the original standard “sodium chloride” and “chlorine element"”;

--- Add “GB/T 14699.1 Feeding Stuffs - Sampling” and “GB/T 20195 Animal Feeding Stuffs – Preparation of Test Samples”;

--- Delete the water-soluble chloride rapid titration method (supplement).

Annex A of this Standard is informative.

This Standard was proposed by and under the jurisdiction of National Technical Committee on Feed Industry of Standardization Administration of China.

Drafting organizations or this Standard: National Feed Quality Supervision and Inspection Center (Wuhan); and Guangdong Evergreen Conglomerate Co., Ltd.

Determination of Water-Soluble Chlorides in Feeds

1 Scope

This Standard specifies a method for the determination of the water-soluble chlorides content, expressed as sodium chloride, of animal feeding stuffs.

This Standard is applicable to the determination of water-soluble chlorides content in the animal feeding stuffs.

2 Normative References

The provisions in following documents become the provisions of this Standard through reference in this Standard. For dated references, the subsequent amendments (excluding corrigendum) or revisions do not apply to this Standard, however, parties who reach an agreement based on this Standard are encouraged to study if the latest versions of these documents are applicable. For undated references, the latest edition of the referenced document applies.

GB/T 6682 Water for Analytical Laboratory Use - Specification and Test Methods

GB/T 14699.1 Feeding Stuffs – Sampling

GB/T 20195 Animal Feeding Stuffs – Preparation of Test Samples

3 Principle

The chlorides present in a test portion are dissolved in water. The solution is clarified if the product contains organic matter. It is then slightly acidified with nitric acid and the chlorides are precipitated as silver chloride by means of standard volumetric silver nitrate solution. The excess silver nitrate is titrated with a standard volumetric solution of ammonium thiocyanate or potassium thiocyanate.

4 Reagents

Use only reagents of recognized analytical grade.

4.1 Water, complying with at least grade 3 in accordance with GB/T 6682.

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