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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3132-2012

Detection of bovine immunoglobulin G in milk products of export. Enzyme-linked immunosorbent assay method

出口牛乳制品中牛免疫球蛋白G的测定 酶联免疫吸附法

(English Translation)

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

Please note that some of the content of this document may involve patents. Distribution of this document Institutions do not assume the responsibility to identify these patents.

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

This standard was drafted. Jilin People's Republic of China Exit Inspection and Quarantine, People's Republic of China Guangdong Entry-Exit Inspection and Quarantine Bureau, Beijing Wanger Biotechnology Co., Ltd.

1 Scope

This standard specifies the enzyme-linked immunosorbent assay for detection of bovine dairy cow immunoglobulin G content.

This standard applies to the determination of colostrum products and add dairy cow colostrum ingredient bovine immunoglobulin G content.

Determination of the standard low limit of 9.8mg/g.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

Laboratory use specifications and test methods GB/T 6682 Analysis Principle 3 Indirect competitive ELISA method, on the strips coated with bovine immunoglobulin G antigen, in the sample of bovine immunoglobulin G ELISA plates and the package is anti-competitive antigen bovine immunoglobulin G antibodies, enzyme labeled anti-antibody, chromogenic

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reagent, Anti-Stop Solution should. Absorbance was measured at 450nm with a microplate reader. Absorbance and bovine immunoglobulin G content was negatively correlated with the standard curve that is it can be derived bovine immunoglobulin G content.

4 Reagents and materials

4.1

Unless otherwise specified reagents used were of analytical reagent grade water as a water line with GB/T 6682 regulations.

4.2

Bovine Immunoglobulin G ELISA assay kit 1). 2 °C ~ 8 °C preservation. See Appendix A.

4.3 5% sodium chloride solution.

5 Apparatus

5.1

microplate reader. with 450nm filter.

5.2

Vortex.

Adjustable Pipette 5.3. Single Channel 20μL, 50μL, 100μL, 1000μL; multi-channel 250μL.

5.4

Balance. a sense of the amount of 0.001g.

Users, does not mean endorsement of the product. If other products have the same effect, after an experimental evaluation of the use of these equivalent products.

Preparation and preservation of specimens 6

6.1 Weigh the sample is dissolved in 0.02g 20mL5% sodium chloride solution (final concentration of 1mg/mL), rotating vibrator with Vortex

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