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

SN/T 2552.11-2010

**Microbiological examination for milk and milk products
hygiene. Part 11: Isolation and enumeration of *Bacillus cereus*
(English Translation)**

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Foreword

SN/T 2552 "Milk and dairy products Hygienic science test methods" is divided into thirteen sections.

- Part 1. Guidance on sampling;
- Part 2. Preparation of test sample dilution;
- Part 3. yeast, mold colony count;
- Part 4. Psychrophile microbial colony counts;
- Part 5. Salmonella testing;
- Part 6. Citrobacter inspection;
- Part 7. Enterobacter cloacae inspection;
- Part 8. Proteus mirabilis and inspection;
- Part 9. Klebsiella test;
- Part 10. Enterobacter sakazakii immunofluorescence test;
- Part 11. Bacillus cereus Isolation and counting;
- Part 12. monocytogenes Listeria detection and counting;
- Part 13. Pseudomonas isolation count.

This section is SN/T 2552 Part 11.

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

The section referring to the ISO 7932 "Microbiology of food and animal feed suspected of Bacillus cereus count level method 30 °C colonies Counting technique "(ISO 7932 Microbiology of food and animal feeding stuffs-Horizontal method for the enumeration of presumptive Bacillus cereus-Colony-count technique at 30 degrees C) and the US FDA "fine Analysis

Handbook Chapter 14 bacteria *Bacillus cereus*
"(BacteriologicalAnalyticalManual-chapter14*Bacilluscereus*).

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

1 Scope

This section SN/T 2552 specifies the method for separating and counting milk and dairy products of *Bacillus cereus*.

This section applies to the separation and counting milk and dairy products of *Bacillus cereus*.

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, undated references, the latest edition (including any amendments) applies to this document.

SN/T 2552.1 milk and dairy hygiene microbiology test methods - Part 1. Guidance on sampling
SN/T 2552.2 milk and dairy hygiene Microbiological test method - Part 2. Preparation of test sample dilution
SN/T 1538.2-2007 media preparation Guide Part 2. A Practical Guide to medium performance test

3 Terms and Definitions

The following terms and definitions apply to this document.

Bacillus cereus *Bacilluscereus* One kind of aerobic gram-positive bacillus, commonly found in soil, vegetables and raw products and cooked food products, the ability to propagate, it is leading to Food poisoning pathogenic microorganisms.

Principle 4

4.1 use of *Bacillus cereus* and does not ferment mannitol produce characteristic lecithin, forming a typical colonies on plates were MYP Separation.

4.2 Hemolytic use *Bacillus cereus* inoculated sheep blood agar plates for secondary screening.

4.3 The preliminary biochemical confirmation of suspected colonies after purification, to identify *Bacillus cereus* group.

4.4 biochemical identification by the group, identified *Bacillus cereus* species.

4.5 according to the number of confirmed positive for *Bacillus cereus* per gram of *Bacillus cereus* number or per milliliter sample.

5 Medium and reagents

5.1

mannitol yolk polymyxin B Agar (MYP). See Appendix A A.1 chapter.

5.2

sheep blood agar. See Appendix A, Section A.2 chapter.

5.3

nutrient agar (NA). See Appendix A A.3 chapter.