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

SN/T 2552.13-2010

**Microbiological examination for milk and milk products
hygiene. Part 13: Isolation and enumeration of *Pseudomonas*
spp.**

(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 and counting.

This section is part 13 SN/T 2552's.

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

The section referring to the ISO 13720:1995 "Meat and meat products Pseudomonas Counting Method" (Meatandmeatproducts-EnumerationofPseudomonasspp.).

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

This section drafted by. China Inspection and Quarantine Science Research Institute, People's Republic of China Fujian Exit Inspection and Quarantine.

1 Scope

This section SN/T 2552 provisions of the milk and dairy products *Pseudomonas* Isolation and counting methods.

This section applies to milk and dairy products *Pseudomonas* Isolation and counting.

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

3 Terms and Definitions

The following terms and definitions apply to this document.

Pseudomonas spp *Pseudomonas*spp.

In accordance with the standard operation, 25 °C cultured on CFC agar colony formation of a class of bacteria.

Principle 4

4.1 Sample Preparation

If the sample is a liquid, a number of parallel test specimens was inoculated in solid selective plates; if the sample is a solid, the sample is first Prepared were inoculated sample after 25 °C aerobic culture at 48h.

4.2 *Pseudomonas* calculated

After colonies were picked by oxidase test and Klinefelter double sugar iron test confirmed from the plate, get calculated per ml per gram of sample *Pseudomonas* Number genus.

5 Equipment and Materials

5.1

Water bath. temperature $45.5\text{ }^{\circ}\text{C} \pm 0.2\text{ }^{\circ}\text{C}$.

5.2

Thermometer. Range $1\text{ }^{\circ}\text{C} \sim 55\text{ }^{\circ}\text{C}$, sub-scale $0.1\text{ }^{\circ}\text{C}$.

5.3

Incubator. $35\text{ }^{\circ}\text{C} \sim 37\text{ }^{\circ}\text{C}$ and $24\text{ }^{\circ}\text{C} \sim 26\text{ }^{\circ}\text{C}$.

5.4

straw. 1mL, 5mL and 10mL, sub-scale 0.1mL.

5.5 "L" glass coating bar. Diameter 3mm ~ 4mm, 45mm ~ 55mm may be coated area.

5.6

inoculating loop. 3mm diameter.

5.7

Balance. Range 2kg, the sensitivity of 0.1g.