

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

SN/T 4624.15-2016

**Methods for examination of import microbial blends in the
environmental protection-Part 15: *Bacillus amyloliquifaciens***

入境环保用微生物菌剂检测方法 第15部分：解淀粉芽孢杆菌

(English Translation)

Issued on: August 23, 2016

Implemented on: March 1, 2017

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine**

Table of Contents

Foreword

1 Scope

2 Normative references

3 Main reagents and medium

Foreword

SN/T 4624 "inbound environmental testing methods using microbial agents" is divided into 17 parts.

- Part 1. *Bacillus licheniformis*;
- Part 2. *Bacillus pumilus*;
- Part 3. *Bacillus megaterium*;
- Part 4. *Acidithiobacillus ferrooxidans*;
- Part 5. beta-hemolytic streptococcus;
- Part 6. *Staphylococcus aureus*;
- Part 7. *Salmonella*;
- Part 8. *Shigella*;
- Part 9. Diarrhea caused by *Escherichia coli*;
- Part 10. *Paecilomyces lilacinus*;
- Part 11. Elegant small ginkgo mildew;
- Part 12. *Trichoderma harzianum*;
- Part 13. *Phanerochaete chrysosporium*;
- Part 14. *Curvularia*;
- Part 15. *Bacillus amyloliquefaciens*;
- Part 16. Alkaloid-like-producing *Pseudomonas*;
- Part 17. *Pseudomonas putida*.

This section is part 15 of SN/T 4624.

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

This part of the national certification and accreditation supervision and management committee proposed and centralized.

This part of the drafting unit. People's Republic of China Liaoning Exit Inspection and Quarantine.

The drafters of this section. Jia Jinsheng, Zhou Jiannan, Zhang Xinyuan, Wang Jinling, Zhang Ying, Wang Fang, Li Shu.

Inbound environmental testing methods for microbial agents Part 15. *Bacillus amyloliquefaciens*

1 Scope

This part of SN/T 4624 specifies the morphological identification of *Bacillus amyloliquefaciens* in conformity with the inoculation microbial inoculum Identification, molecular biology detection methods.

This section applies to the entry of environmental Microbacterium agent for the test of *Bacillus amyloliquefaciens* consistency test and identification.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 6682 analytical laboratory water specifications and test methods

3 Main reagents and medium

3.1

Experimental water should be consistent with a water GB/T 6682 specifications.

3.2

Nutrient agar. See Appendix A, A.1.

3.3

Nutritious broth. See A.2.

3.4

Gram staining related reagents. See A.3.

3.5

Contact enzymes. See A.4.

3.6

Oxidase. See A.5.

3.7

Sugar fermentation tube. See A.6.

3.8

Citrate. See A.7.

3.9

Nitrate reduction See A.8.

3.10

Starch hydrolysis See A.9.

3.11

Gelatin See A.10.

3.12

TE buffer (pH 8.0). See A.11.

3.13 1% to 3% agarose gel, see A.12.

3.14 25 mmol/L EDTA. See A.13.

3.15 3 mol/L sodium acetate. See A.14.

3.16

dNTP, dATP, dTTP, dGTP, dCTP.

3.17

TBE. See A.15.

3.18

Taq DNA polymerase.

3.19

bacterial genomic DNA extraction kit.

3.20

agarose.

3.21

ethidium bromide.

3.22

DNA molecular weight marker .100bp DNAladder.