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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 4624.2-2016

Methods for examination of import microbial blends in the environmental protection--Part 2: Bacillus pumilus

入境环保用微生物菌剂检测方法 第2部分：短小芽孢杆菌

(English Translation)

Issued on: August 23, 2016 **Implemented on: March 1, 2017**

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

Preview: page 1 of 4 shown, 9 in the full document. Complete English PDF, instant download:
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Table of Contents

Foreword
1 Scope
2 Normative references
3 Main reagents and medium

Foreword

SN/T 4624 "Method for the detection of microbial agents for environmental protection in entry" is divided into 17 parts.

--- Part 1. Bacillus licheniformis;

--- Part 2. Bacillus pumilus;

--- Part 3. Bacillus megaterium;

--- Part 4. Thiobacillus ferrooxidans;

---Part 5. beta-type hemolytic streptococcus;

--- Part 6. Staphylococcus aureus;

--- Part 7. Salmonella;

--- Part 8. Shigella;

--- Part 9. Escherichia coli;

--- Part 10. Paecilomyces lilacinus;

--- Part 11. elegant small gram silver mold;

--- Part 12. Trichoderma harzian;

--- Part 13. Phanerochaete chrysosporium;

--- Part 14. Aspergillus oryzae;

---Part 15. Bacillus amyloliquefaciens;

--- Part 16. Pseudomonas aeruginosa;

--- Part 17. Pseudomonas putida.

This part is the second part of SN/T 4624.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

Preview: page 2 of 4 shown, 9 in the full document. Complete English PDF, instant download:
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This part is proposed and managed by the National Certification and Accreditation Administration.

This section drafted by. Liaoning Entry-Exit Inspection and Quarantine Bureau of the People's Republic of China.

1 Scope

This part of SN/T 4624 stipulates the morphological identification and biochemistry of Bacillus pumilus for the compliance of microbial agents for environmental protection.

Identification, molecular biology testing methods.

This section applies to the detection and identification of Bacillus brevis in the compliance of microbial agents for environmental protection.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply 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. It should meet the specifications of the first grade water in GB/T 6682.

3.2
Nutritional agar. See Appendix A, A.1.

3.3
Nutritional Broth. See A.2.

3.4
Gram staining related reagents. see A.3.

3.5
Contact enzyme. see A.4.

3.6
Oxidase. See A.5.

Preview: page 3 of 4 shown, 9 in the full document. Complete English PDF, instant download:
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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%~3% agarose gel. see A.12.

3.14 25mmol/LEDTA. 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. 100 bp DNA ladder.

Preview: page 4 of 4 shown, 9 in the full document. Complete English PDF, instant download:
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