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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3767.4-2014

Loop-mediated isothermal amplification detection method for genetically modified components in food for export. Part 4: MaizeBt 176

出口食品中转基因成分环介导等温扩增（LAMP）检测方法 第4部分：玉米Bt176品系

(English Translation)

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Preview: page 1 of 4 shown, 7 in the full document. Complete English PDF, instant download:
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Table of Contents

Foreword
1 Scope
2 Normative references
3 Anti-pollution measures
4 Sampling and sample preparation
5 Nucleic acid extraction and purification
6 LAMP detection method
6.1 Principle

Foreword

SN/T 3767 "genetically modified food for export loop-mediated isothermal amplification (LAMP) detection method" is divided into 30 parts.

Part 1. General requirements and definitions;

Part 2. The screening method;

Part 3. maize Bt-11 strain;

Part 4. Bt176 maize lines;

Part 5. GA21 maize lines;

Part 6. MIR162 Maize Lines;

Part 7. MIR604 maize lines;

Part 8. maize MON810 strain;

Part 9. maize MON863 strain;

Part 10. maize MON88017 strain;

Part 11. maize MON89034 strain;

Part 12. Corn T-25 strain;

Part 13. 3272 maize lines;

Part 14. Lines of corn 59122;

Part 15. A2704-12 soybean lines;

Preview: page 2 of 4 shown, 7 in the full document. Complete English PDF, instant download:
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Part 16. Soybean A5547-127 lines;

Part 17. Soybean DP356043 lines;

Part 18. Soybean GTS40-3-2 lines;

Part 19. Soybean MON89788 strain;

Part 20. Rice Bt-63 strain;

Part 21. Rice KF6 lines;

Part 22. Rice KF8 lines;

Part 23. KMD rice strains;

Part 24. Rice LLRICE62 lines;

Part 25. Rice M12 strain;

Part 26. Rice T1C-19 strain;

Part 27. Rice T2A-1 strain;

Part 28. Lines wheat B73-6-1 Part 29. beet H7-1 strain;

Part 30. Rape RT-73 strain.

This section SN/T Section 43767 of.

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

Please note that some of the content of this document may involve patents. Release mechanism of the present document does not assume responsibility for the identification of these patents.

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

1 Scope

SN/T 3767 provisions of this part of the food of transgenic corn Bt176 strain specific loop-mediated isothermal amplification (LAMP) screening Detection method.

This section applies to corn and its processed products transit qualitative detection of gene maize Bt176 strain-specific components.

Qualitative detection limit of this method was 0.5% (mass fraction).

Preview: page 3 of 4 shown, 7 in the full document. Complete English PDF, instant download:
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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 GB/T 19495.2 technical requirements for GMO testing laboratories GB/T 19495.3 GMO detection of nucleic acid extraction and purification method GB/T 19495.5 GMO quantitative PCR method for detecting nucleic acid GB/T 19495.7 GMO detection methods of sampling and sample preparation SN/T 3767.2-2014 exports of genetically modified foods loop-mediated isothermal amplification (LAMP) detection methods - Part 2. Sieve the method of election

3 Anti-pollution measures

Loop-mediated isothermal amplification detection process of pollution prevention measures should be consistent with the provisions of GB/T 19495.2 of.

4 Sampling and sample preparation

Accordance with the provisions of GB/T 19495.7 of.

5 Nucleic acid extraction and purification

Accordance with the provisions of GB/T 19495.3 of.

6.1.1 General principles

According to internal and corn border sequences exogenous gene transgenic maize lines Bt176 design, the ring of each primer pair specific target

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