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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3767.7-2014

Loop-mediated isothermal amplification detection method for genetically modified components in food for export. Part 7: Maize MIR604

出口食品中转基因成分环介导等温扩增（LAMP）检测方法 第7部分：玉米MIR604品系

(English Translation)

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6.1 Principle

Foreword

SN/T 3767 "Genetically Modified Food 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;

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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. B73-6-1 wheat strain;

Part 29. beet H7-1 strain;

Part 30. Rape RT-73 strain.

This section SN/T Section 73767 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 maize MIR604 race specific loop-mediated isothermal amplification (LAMP) First Screen detection method.

This section applies to processed products and corn transgenic maize MIR604 line qualitative detection of specific components.

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

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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 19495.7 GMO detection methods of sampling and sample preparation Transgenic plants and their products and their component detecting insect varieties of maize MIR604 qualitative PCR method derived (Ministry of Agriculture No. 1485-16-2010 Announcement) 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 MIR604 line design, the outer primers and one pair of annular downstream primer

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