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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3729.5-2013

Identification of fruit species in export food and drink. Part 5: Detection of papaya ingredient. Real-time PCR method

出口食品及饮料中常见水果品种的鉴定方法 第5部分:木瓜成分检测 实时荧光PCR法

(English Translation)

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Foreword

SN/T 3729 "Identification of exporting food and beverages in the common fruit varieties" is divided into the following 10 sections.

--- Part 1. strawberry component detecting PCR method;

--- Part 2. Apricot component detecting real-time PCR method;

--- Part 3. pear component detecting real-time PCR method;

--- Part 4. Mango component detecting real-time PCR method;

--- Part 5. papaya component detecting real-time PCR method;

--- Part 6. apple component detecting real-time PCR method;

--- Part 7. grape component detecting PCR method;

--- Part 8. Hawthorn component detecting real-time PCR method;

--- Part 9. peach component detecting real-time PCR method;

--- Part 10. Components of bananas real-time PCR method.

This section SN/T Section 53729 of.

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

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 Shanghai Exit Inspection and Quarantine, the People's Republic of China Exit Inspection and Quarantine and the State of Liaoning.

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1 Scope

SN/T 3729 provisions of this section (except oil, alcohol and other processed foods) the export of food and beverages papaya (papaya) component Real-time PCR detection method.

This section applies to qualitative detection of juices, jams and other fruit as raw materials in food papaya (papaya) component. This section the method prescribed limit of detection (LOD) of 1% (mass fraction).

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 27403 laboratory quality control of food molecular biology standardized testing

3 Terms and Definitions

The following terms and definitions apply to this document.

Papaya caricapapaya

Section papaya species, papaya is commonly known, the scientific name papaya (papaya).

Juice clarifiedjuice Clarified processing technology, no turbidity and sedimentation juice.

Cloudy juice Processing technology has not been clarified, but turbidity and sedimentation stratification juice.

4 Abbreviations

The following abbreviations apply to this document.

DNA. deoxyribonucleic acid (deoxyribonuleicacid).

dNTP. deoxynucleotide triphosphate (deoxyribonucleosidetriphosphate).

CTAB. cetyl trimethyl ammonium bromide (cetyltrithylammoniumbromide).

Tris. Tris (hydroxymethyl) aminomethane [tris (hydroxymethyl) aminomethane].

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