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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3729.4-2013

Identification of fruit species in export food and drink. Part 4: Detection of mango 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4部分:芒果成分检测 实时荧光PCR法

(English Translation)

Issued on: November 6, 2013 **Implemented on: June 1, 2014**

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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 43729 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.

This section drafted by. China Inspection and Quarantine Science Research Institute, People's Republic of China Shandong Exit Inspection and Quarantine, the People's

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Republic of China Exit Inspection and Quarantine and the State of Xiamen.

1 Scope

SN/T 3729 provisions of this part of the real-time PCR detection methods in mango exports of food and beverage ingredients.

This section applies to fruit juices, jams and other fruit as raw materials in food ingredients mango qualitative detection. Party under this Part Method limit of detection (LOD) of 0.01% (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 27025 testing and calibration laboratories General requirements 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.

Mango mango

Aka Um Luo fruit, mango, tamarind honey, sweet cover, is Anacardiaceae (Anacardiaceae) mango genus.

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 (deoxyribonuleosidetriphosphate) CTAB. cetyl trimethyl ammonium bromide (cetyltrithylammoniumbromide) Tris. Tris [tris (hydroxymethyl) aminomethane] EDTA. ethylenediaminetetraacetic acid (ethylenediaminetetraaceticacid)

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