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SN

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

SN/T 3729.11-2014

**Identification of fruit species in export food and drink - Part 11:
Detection of *C.reticulata* and *C.sinensis* ingredient -
PCR-DHPLC method
(English Translation)**

Issued on: January 1, 1970

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Foreword

SN/T 3729 "Identification of exporting food and beverages in the common fruit varieties" is divided into 11 parts.

- 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;
- Part 11. orange, component detecting PCR-DHPLC method.

This section SN/T Part of 113,729.

This section is in accordance with GB/T 1.1-2009 given rule drafting.

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

1 Scope

SN/T 3729 provisions of this part of the real-time PCR detection method tangerine orange ingredient in the export of food and beverages.

This section applies to fruit juices, jams and other fruit as raw materials in food ingredients qualitative detection tangerine orange. Party under this Part Method limit of detection (LOD) of 1% (by weight).

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, definitions and abbreviations

The following terms and definitions apply to this document.

3.1 Terms and Definitions

3.1.1

Orange *Citrus reticulata* Orange is a citrus orange Rutaceae species of evergreen trees dicot.

3.1.2

Orange *Citrus sinensis* Orange is a citrus orange Rutaceae species of evergreen trees dicot.

3.1.3

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

3.1.4

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

3.2 Acronyms

3.2.1

DNA. deoxyribonucleic acid, DNA.

3.2.2

dNTP. deoxyribonucleosidetriphosphate, deoxynucleotide triphosphates.

3.2.3

dATP. deoxyadenosinetriphosphate, deoxyadenosine triphosphate.