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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3589.2-2013

Identification of fish species in export food. Part 2: Detection of monk fish ingredient. Real-time PCR method

出口食品中常见鱼类及其制品的鉴伪方法 第2部分:安康鱼成分检测 实时荧光PCR法

(English Translation)

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Foreword

SN/T 3589 "Common fish and their products in food exports Discriminating method" is divided into seven sections.

--- Part 1. Grouper component detecting real-time PCR method;

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

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

--- Part 4. puffer fish component detecting real-time PCR method;

--- Part 5. yellow croaker component detecting real-time PCR method;

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

--- Part 7. cod component detecting real-time PCR method.

This section SN/T Section 23589 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 Liaoning Entry-Bao Biotechnology (Dalian) Co., Ltd.

1 Scope

SN/T 3589 provisions of this part of the real-time PCR detection method monkfish ingredient in food for export.

This section applies to fish food in China Huang Ankang (Lophiuslitulon) and the Americas monkfish (Lophiusamericanus) and other safety Kang fish and its products Kam pseudo qualitative detection.

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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 27403 laboratory quality control of food molecular biology standardized testing

3 Terms and Definitions

The following terms and definitions apply to this document.

Monkfish Lophiformes Monkfish belong Actinopterygii Pisces, well head, Ankang Ke, soft body, without scales, the edge of the head and body of many cortical projections. Monkfish Distribution in the Indian Ocean and the western North Pacific, and I homemade in northern East China Sea and Yellow Sea and Bohai Sea.

Real-time fluorescence PCR real-timePCR Join fluorophore in the PCR reaction system, the use of real-time monitoring of the accumulation of the fluorescent signal of the PCR amplification process.

Ct values cyclethresholdvalue when the number of cycles of each reaction tube fluorescent signal reaches the set value of the field experienced.

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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