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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3589.3-2013

Identification of fish species in export food. Part 3: Detection of salmonidae ingredient. Real-time PCR method

出口食品中常见鱼类及其制品的鉴伪方法 第3部分:鲑鱼成分检测 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 33589 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 State and Shandong Entry-Exit Inspection and Quarantine of Liaoning People's Republic of China, People's Republic of China Fujian Entry-Exit Inspection Quarantine Bureau, Xiamen People's Republic of China Entry-Exit Inspection and Quarantine, Shenzhen People's Republic of China.

1 Scope

SN/T 3589 provisions of this part of the food for export salmonids (Salmonidae) fish (salmon), real-time PCR assay method.

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This section is intended for use in food salmon three subfamilies seven genera [including salmon subfamily (Salmoninae) in the case of salmon (Oncorhynchus), the genus trout (Salvelinus), genus taimen (Hucho), sweetlips salmon genus (Brachymystax) and rainbow trout (Salmo), whitefish subfamily (Coregoninae) genus whitefish (Coregonus) and grayling subfamily (Thymallidae) of the genus grayling (Thymallus)] salmon and its products Kam pseudo qualitative detection.

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.

Salmon Salmonidae

Salmon refers salmonids (Salmonidae) fish, salmon-shaped head under the suborder salmon, cold-water migratory fish. Salmon family includes three subfamilies seven genera.

Three subfamilies subfamily of salmon (Salmoninae), whitefish subfamily (Coregoninae) and grayling subfamily (Thymallidae), where salmon subfamily package Including five genera, the genus as salmon (Oncorhynchus), the genus trout (Salvelinus), genus taimen (Hucho), lenok genus (Brachymystax) and rainbow trout (Salmo), whitefish subfamily genus only whitefish (Coregonus), grayling subfamily only grayling Genus (Thymallus).

Real-time fluorescence PCR real-timePCR when PCR amplification was added with a fluorescent probe specific groups (Taqman probes) or a fluorescent dye, so that the accumulation of PCR products Cumulative fluorescent signal fully synchronized, real-time monitoring of PCR products.

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

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