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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3730.3-2013

Identification of domestic animal ingredient in food and feed. Part 3: Detection of fox ingredient. Real-time PCR method

食品及饲料中常见畜类品种的鉴定方法 第3部分:狐狸成分检测实时荧光PCR法

(English Translation)

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Foreword

SN/T 3730 "Identification of common food and feed livestock species" is divided into the following eight sections.

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

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

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

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

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

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

--- Part 7. Buffalo component detecting real-time PCR method;

--- Part 8. Pig component detecting real-time PCR method.

This section SN/T 3730 Part 3.

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 CIQ.

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1 Scope

SN/T 3730 provisions of this part of the real-time PCR method for the identification fox ingredients in food and feed.

This section applies to the qualitative detection of food and feed ingredients fox.

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.

Fox fox

Mammalia, Carnivora, Canidae (Canidae), Fox subfamily (Vulpini). In addition to the genus include Fox (Vulpes) animals, foxes also include Fox Subfamily other genera of animals. Japanese fox genus (Fennecus), big-eared fox genus (Otocyon), South America fox genus (Dusicyon), gray fox genus (Urocyon), Arctic fox genus (Alopex) and crab-eating fox genus (Cerdo-cyon).

Real-time fluorescence PCR realtimefluorescentPCR Join fluorophore in a polymerase chain reaction system, the fluorescence signal accumulated real-time monitoring of the PCR process.

Ct values cyclethreshold 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 (hexadecyltrimethylammoniumbromide) EDTA. ethylenediaminetetraacetic acid (ethylenediaminetetraaceticacid) Taq. Thermus aquaticus bacteria (Thermusaquaticu) FAM. carboxyfluorescein (carboxyfluorescein) TAMRA. carboxy tetramethylrhodamine (carboxy-tetramethyl-rhodamine)

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