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

SN/T 3895-2014

**Real-time fluorescence PCR method for detection of genetically
modified components in trifoliate flax(Event FP967)
(English Translation)**

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

The standard reference of the EU-CRL

"NOST-Speconstruct-specificmethodforthedetectionofCDCTriffid flax (EventFP967) usingreal-timePCR "method.

This standard is proposed and managed by the National Certification and Accreditation Administration Committee.

This standard was drafted. People's Republic of China Liaoning Province Exit Inspection and Quarantine.

1 Scope

This standard specifies the transgenic linseed FP967 lines (also known as CDCTriffid) real-time PCR detection method.

This standard applies to transgenic linseed FP967 lines (also referred to CDCTriffid) for 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 19495.2 technical requirements for GMO testing laboratories GB/T 19495.3 GMO detection of nucleic acid extraction and purification method

3.1 Terms and Definitions

The following terms and definitions apply to this document.

3.1.1

Transgenic transgene the species itself does not have derived from other species of functional DNA sequences, by introducing a variety of means to make it into the species Line expression, in order to obtain new varieties of the species characteristics.

3.1.2

Endogenous gene Species cultivated in copy number constant, allele variation is not displayed. The gene can be used for a purpose genome Analysis of the gene.

3.2 Acronyms

The following abbreviations apply to this document.

Ct values. C. Cycle, t. threshold, the number of cycles in each reaction tube fluorescent signal reaches the set threshold experienced.

DNA. deoxyribonucleicacid, DNA.

dNTP. deoxyribonucleosidetriphosphate, deoxynucleoside triphosphates.

EDTA. ethylenediaminetetraaceticacid, ethylenediaminetetraacetic acid.

NOST-Spec. NOS terminatorandspectinomycinresistancegene, NOS terminator - spectinomycin resistance gene because. Spectinomycin resistance gene strains of transgenic linseed FP967 is a unique gene, it is not currently in any other genetically modified crops use.

PCR. polymerasechainreaction, called PCR.

SAD. stearyl-acylcarrierprotein desaturase, stearyl - acyl carrier protein desaturase.

Tris. tris (hydroxymethyl) aminomethane, tris (hydroxymethyl) aminomethane.