



GeneScan

UNIVERSITY OF THE
FREE STATE
UNIVERSITEIT VAN DIE
VRYSTAAT
YUNIVESITHI YA
FREISTATA



UFS·UV
HEALTH SCIENCES
GESONDHEIDSWETENSAPPE
GMO TESTING FACILITY

Certificate of Analysis

181011444-1

Contact: Lindy Brown
Company: Red Barn Farm
Address: Box 7030, Blanco, 6531

Telephone: 044 876 0014
Fax: 086 650 1222

Certificate Nō: 181011444-1
Unique Sample Nō: 11444

Date of issue: 06-11-2018

Sample Identification: CHICKEN
Sample Description: RED BARN CHICKEN
Sample size: ± 500 g
Priority: Economy

Date of Order: 24-08-2018
Date sample received: 30-10-2018



Test Requested:
Qualitative PCR screening: GMO double screen (35S and NOS)

Test Sample: 2 x 2 g

Analysis of GMO screening

PCR System	PCR Cycles	Method Limit of Detection	Test Result Comment
35S	45	20 copies	35S not detected
NOS	45	20 copies	NOS not detected

35S: The 35S PCR system detects transgenic DNA sequences that are characteristic for the 35S promoter of the Cauliflower Mosaic Virus (CaMV). The limit of detection of genetically modified DNA is 0.01% or 20 copies.

NOS: The NOS PCR system detects transgenic DNA sequences that are characteristic for the NOS terminator derived from *Agrobacterium tumefaciens*. The limit of detection of genetically modified DNA is 0.01% or 20 copies.

Disclaimer:

- The result refers exclusively to the test sample and is not necessarily representative of the product from which the laboratory sample was taken.
- The result refers only to the laboratory test performed as requested by the client and does not exclude the presence of other GMOs not detected by the requested test(s).

Ms. S. Sreenivasan Tantuan

Manager: GMO Testing Facility

GMO Testing Facility
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Certificate of Analysis

181011445-1

Contact: Lindy Brown
Company: Red Barn Farm
Address: Box 7030, Blanco, 6531

Telephone: 044 876 0014
Fax: 086 650 1222

Certificate Nō: 181011445-1
Unique Sample Nō: 11445

Date of issue: 06-11-2018

Sample Identification: EGGS
Sample Description: RED BARN EGGS
Sample size: ± 710 g
Priority: Economy

Date of Order: 24-08-2018
Date sample received: 30-10-2018

Test Requested:
Qualitative PCR screening: GMO double screen (35S and NOS)

Test Sample: 2 x 2 g



Analysis of GMO screening

PCR System	PCR Cycles	Method Limit of Detection	Test Result Comment
35S	45	20 copies	35S not detected
NOS	45	20 copies	NOS not detected

35S: The 35S PCR system detects transgenic DNA sequences that are characteristic for the 35S promoter of the Cauliflower Mosaic Virus (CaMV). The limit of detection of genetically modified DNA is 0.01% or 20 copies.

NOS: The NOS PCR system detects transgenic DNA sequences that are characteristic for the NOS terminator derived from *Agrobacterium tumefaciens*. The limit of detection of genetically modified DNA is 0.01% or 20 copies.

Disclaimer:

- The result refers exclusively to the test sample and is not necessarily representative of the product from which the laboratory sample was taken.
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