

CIBUS Biotech GmbH Meisenstrasse 96 D-33607 Bielefeld

Halal Deutschland OHG
Mr. M. Tafari
Rüselzheimer Str. 74

D-65468 Trebur

Technologiezentrum
Meisenstrasse 96
D-33607 Bielefeld

Tel.: (0521) 2997 260
FAX: (0521) 2997 261
E-Mail: info@cibus-biotech.de
Internet: www.cibus-biotech.de

Page 1 of 1

Date of report	30.01.2002
Sample number	143/011217

Analysis order	Detection of pig DNA, PCR
----------------	---------------------------

Examination report

Sample designation: "Goldbären" (Fa. Haribo, Bonn)

Sample description: Fruitgum bears, mixed colours, length approx. 2 cm

LOT No.	L 18 S
Expiry date	10.2002
Date of delivery	17.12.2001
Temperature on arrival	Room temperature

Weight	300 g
Packing	Plastic bag
Shipping	Post
Other	./.


Method of analysis

- A) Preparing of two DNA isolates from the sample, a negative control only with extraction buffers, and a positive control with sample material and added control DNA, which contains the DNA to examine
- B) Examination of animal specific DNA by Polymerase Chain Reaction (PCR) in 40 cycles as follows:
 1. Control of amplification efficiency of the isolated DNA from the sample (Proof of general animal and plant control genes)
 2. Detection of animal specific DNA using PCR primers, which synthesize PCR amplicates only with DNA from one definite animal species
 3. Control PCR reactions (positive and negative control of DNA isolation, positive and negative control of PCR)
- C) Separation of the PCR amplicates by agarose gel electrophoresis, fluorescence staining and documentation

Detection limit of the analysis: approx. 0.1-1.0 %, depending on processing grade of the sample.

Result of analysis

Traces of pig DNA have been detected in the sample.


Dr. Monika Unthan


Dr. Meinhard Behrens

Bankverbindung: Sparkasse Bielefeld
Bankleitzahl: 48050161
Kontonummer: 44128825

Geschäftsführer: Dr. Meinhard Behrens
Dipl. Ing. Bernd Epping
Dr. Monika Unthan

Geschäftsform: GmbH
Amtsgericht Bielefeld HRB 37274
USt-Id Nr.: DE215429971

Ohne Genehmigung der CIBUS Biotech GmbH darf der Prüfbericht – auch auszugsweise – nicht vervielfältigt werden.

Technologiezentrum
Meisenstrasse 96
D-33607 Bielefeld

Tel.: (0521) 2997 260
FAX: (0521) 2997 261
E-Mail: info@cibus-biotech.de
Internet: www.cibus-biotech.de

CIBUS Biotech GmbH Meisenstrasse 96 D-33607 Bielefeld

Halal Deutschland OHG
Mr. M. Tatars
Rüselzheimer Str. 74

D-65468 Trebur

Page 1 of 1

Date of report	30.01.2002
Sample number	144/011217

Analysis order	Detection of pig DNA, PCR
----------------	---------------------------

Examination report

Sample designation: "Olivers fruchtige Bären" (Penny-Markt, Köln)

Sample description: Fruitgum bears, mixed colours, length approx. 2 cm

LOT No.	no information	Weight	400 g
Expiry date	01.05.2003	Packing	Plastic bag
Date of delivery	17.12.2001	Shipping	Post
Temperature on arrival	Room temperature	Other	./.

Method of analysis

- A) Preparing of two DNA isolates from the sample, a negative control only with extraction buffers, and a positive control with sample material and added control DNA, which contains the DNA to examine
- B) Examination of animal specific DNA by Polymerase Chain Reaction (PCR) in 40 cycles as follows:
1. Control of amplification efficiency of the isolated DNA from the sample (Proof of general animal and plant control genes)
 2. Detection of animal specific DNA using PCR primers, which synthesize PCR amplicates only with DNA from one definite animal species
 3. Control PCR reactions (positive and negative control of DNA isolation, positive and negative control of PCR)
- C) Separation of the PCR amplicates by agarose gel electrophoresis, fluorescence staining and documentation

Detection limit of the analysis: approx. 0.1-1.0 %, depending on processing grade of the sample.

Result of analysis

Traces of pig DNA have been detected in the sample.


Dr. Monika Unthan


Dr. Meinhard Behrens