

CIBUS Biotech GmbH, Mühlenstraße 98, D-33607 Bielefeld

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

D-65468 Trebur

Technologiezentrum  
Mühlensstraße 98  
D-33607 Bielefeld

Tel.: (0521) 2967 280  
FAX: (0521) 2967 281  
E-Mail: info@cibus-biotech.de  
Internet: www.cibus-biotech.de

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Date of report	30.01.2002
Sample number	143/011217

Analysis order	Detection of pig DNA, PCR
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## 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