



CERTIFIED REFERENCE MATERIAL BCR[®] – 444

CERTIFICATE OF ANALYSIS

PORCINE MUSCLE	
	Mass fraction
	Certified value ¹⁾ [µg/kg]
Chloramphenicol	< 0.2

1) With a probability of 95 % the certified value is below 0.2 µg/kg. The value is traceable to the International System of Units (SI).

This certificate is valid for one year after purchase.

Sales date:

The minimum amount of sample to be used is 900 mg.

DESCRIPTION OF THE SAMPLE

The material is sealed under air in brown glass vials. Each vial contains about 7.5 g of lyophilised pork muscle tissue corresponding to approximately 25 g of fresh muscle which was derived from an animal to which chloramphenicol (CAP) has never been administered.

NOTE

This material has been certified by BCR (Community Bureau of Reference, the former reference materials programme of the European Commission). The certificate has been revised under the responsibility of IRMM.

Brussels, May 1997
Latest revision: May 2007

Signed: _____

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ANALYTICAL METHOD USED FOR CERTIFICATION

- Gas chromatography-mass spectrometry
- High performance liquid chromatography-mass spectrometry
- High performance liquid chromatography with ultraviolet detection
- Gas chromatography-electron capture detection

PARTICIPANTS

- Bundesinstitut für Gesundheitlichen Verbraucherschutz und Veterinärmedizin (BGVV), Berlin (DE)
- Central Meat Control Laboratory, Dublin (IE)
- Central Science Laboratory, Ministry of Agriculture Fisheries and Food, Norwich (GB)
- Chemisches Landes- und Staatliches Veterinäruntersuchungsamt NRW, Münster (DE)
- Food Control Laboratory, Danish Veterinary Service, Ringsted (DK)
- Laboratoire des Medicaments Veterinaires, CNEVA, Fougères (FR)
- National Institute of Public Health & Environmental Protection (RIVM), Bilthoven (NL)
- National Veterinary and Food Research Institute, Helsinki (FI)
- State Laboratory, Dept of Agriculture, Food & Forestry, Dublin (IE)
- Veterinary Sciences Division, Dept of Agriculture for Northern Ireland, Belfast (GB)

SAFETY INFORMATION

The usual laboratory safety precautions apply.

INSTRUCTIONS FOR USE

This material can serve for the following purposes:

- to establish recovery values for a method of analysis at various levels of contamination, through spiking;
- to check the specificity of the method for CAP by providing an effective blank;
- to investigate the limits of detection.

Prior to use the sealed vials should be brought to room temperature. The procedure for reconstitution is as follows:

- Tap the vial very well before opening.
- Open the vial and weigh accurately an aliquot of at least 0.9 g of BCR[®]-444. The weighing should be performed immediately after opening the vial to minimise water uptake by the lyophilised powder.
- Add the calculated amount of distilled water and mix in order to obtain a ratio analog to 2.1 g water to 0.9 g of BCR[®]-444.
- Allow the vial to stand overnight at + 4 °C in the dark.
- Analyse the sample immediately.

STORAGE

The vials should be stored in the dark at – 20 °C.

However, the European Commission cannot be held responsible for changes that happen during storage of the material at the customer's premises, especially of opened samples.

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NOTE

A technical report on the production of BCR[®]-444 is available on the internet (<http://www.irmm.jrc.be>). A paper copy can be obtained from IRMM on request.