



CERTIFIED REFERENCE MATERIAL BCR[®] – 262R

CERTIFICATE OF ANALYSIS

DEFATTED PEANUT MEAL	
	Mass fraction
	Certified value ¹⁾ [µg/kg]
Aflatoxin B ₁	< 3.0
¹⁾ With 95 % probability, the analyte content in the matrix is below this level. The certified value is traceable to the SI.	

This certificate is valid for one year after purchase.

Sales date:

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.

Geel, September 2007

Signed: _____



Prof. Dr. Hendrik Emons
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EC-JRC-IRMM
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DESCRIPTION OF THE SAMPLE

The material consists of milled defatted peanuts, containing Aflatoxin B₁ on the low level of concentration. It is supplied in 280 mL amberglass bottles with a content of around 100 g of the peanut meal. The bottles are additionally sealed in foil-laminate sachet.

ANALYTICAL METHOD USED FOR CERTIFICATION

High performance liquid chromatography with fluorescence detection (HPLC-FLD).

Two dementional thin layer chromatography (2-D TLC).

The methods also varied in their initial extraction and clean-up procedures. Details of the methods used are given in the certification report.

PARTICIPANTS

- Hendriks' Voeders b.v., Boxmeer (NL)
- Institut für Angewandte Botanik, Hamburg (DE)
- Istituto Superiore di Sanità, Roma (IT)
- Leatherhead Food R.A., Leatherhead, Surrey (GB)
- LUFA, Kiel (DE)
- Ministère de l'Economie, des Finances et du Budget - Direction Générale de la Concurrence, de la Consommation et de la Répression des Fraudes - Lab. Interrégional, Rennes (FR)
- National Food Agency of Denmark, Ministry of Health, Søborg (DK)
- RIKILT, Wageningen (NL)
- R.I.V.M., Bilthoven (NL)
- Royal Veterinary and Agricultural University, Copenhagen (DK)
- State Laboratory, Dublin (IE)
- Technische Universität München, Bayerische Hauptversuchsanstalt für Landwirtschaft, Freising (DE)
- TNO Biotechnology and Chemistry Institute, Zeist (NL)

SAFETY INFORMATION

Aflatoxin B₁ is potential toxin and carcinogen. Hepatocarcinogenicity was observed in various of laboratory animals tested. Although it is present in BCR-262R below accepted risk levels, appropriate precautions should be applied in the laboratory.

INSTRUCTIONS FOR USE

The sample can be used as it is from the bottle. After opening the bottle, care should be taken to avoid contamination. If the CRM is stored at low temperature, it should be equilibrated at ambient temperature prior to use.

STORAGE

Unopened bottles 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[®]-262R is available on the internet (<http://www.irmm.jrc.be>). A paper copy can be obtained from IRMM on request.