

Certificate

Food regulatory assessment of the chloroform soluble extractable fraction according to 21 CFR § 176.170 of ViskoTeepak's "Fibrous EPG" cellulose casing

Client: ViskoTeepak Belgium NV
BE-3920 Lommel

Order: PA/4674/15

Samples: Cellulose casing "Fibrous EPG"

Scope and sample material

ViskoTeepak's casing "Fibrous EPG" is a cellulose based casing. The intended applications include the packaging of meat and sausage products (see table 1 of test reports PA/4674/15).

Compliance of the cellulose casings with the regulatory requirements of 21 CFR § 176.170 "Components of paper and paperboard in contact with aqueous and fatty foods" relating to the chloroform-soluble extractives was investigated.

The food regulatory assessment of the cellulose casing refers to the following Fraunhofer IVV test report:

Test report PA/4674/15 part 4 dated 29.2.2016 – Determination of the chloroform-soluble extractable fraction according to 21 CFR § 176.170

Extraction analyses

The cellulose casing "Fibrous EPG" was investigated for the maximum extractable fraction (performed in water and in n-heptane according 21 CFR § 176.170 (d) (5) (i)) and for the chloroform-soluble extractives (according to 21 CFR § 176.170 (d) (5) (ii)) (Fraunhofer IVV test report PA/4674/15 part 4, dated 29.2.2016). The time and temperature conditions applied for the extraction tests were determined based on the process cycles as delivered by ViskoTeepak.

Food regulatory assessment

The chloroform-soluble extractives given in 21 CFR § 176.170 (c) are restricted with 0.5 mg /in² for water and n-heptane, respectively.

The investigated cellulose casing "Fibrous EPG" is in compliance with the limits for chloroform extractives specified in 21 CFR § 176.170 (c) for the intended packaging of processed meat products (e.g. ham, salami, bacon, sausages) and natural cheeses.

Signatures

Fraunhofer Institut
Verfahrenstechnik
und Verpackung



Dr. Diana Kemmer
(Dep. Head of Migration Laboratory)

Freising, 14.3.2016



Maria Gierl
(Scientist)