Migration Test Certificate

Overall migration and residual vinyl chloride · independent test certificate, November 2010 · manufacturer details redacted



BELGISCH VERPAKKINGSINSTITUUT bvba
INSTITUT BELGE DE L'EMBALLAGE sprl

IBE-BVI

BELAC ISO 17025 Nr. 282-TEST

CERTIFICATE OF TEST
Test certificate n°:
REDACTED FOR CONFIDENTIALITY

Date certificate: 10/11/2010

Test sample: PVC film
Raw materials: PVC resins, impact modifier, processing aid, heat stabilizer, lubricants
REDACTED FOR CONFIDENTIALITY

Manufacturer: REDACTED FOR CONFIDENTIALITY

Test: Determination of the overall migration as recorded in the European Regulation No 1935/2004, the European Directives (82/711/EEC and amendments *(93/8/EEC – 97/48/EEC)* - 85/572/EEC and amendments - 2002/72/CEE and amendments) and the Belgian legislation (Royal decree 11/05/1992 and amendments - Royal Decree 03/07/2005 and amendments).

Determination of the residue of vinyl chloride monomer (cas: 75-01-4) conform the European Directive 2002/72/EC.

Analysis of the overall migration effectuated conform NBN EN 1186-1 (June 2002).

used simulants:	test conditions:
simulant B: acetic acid 3% (m:v)	contact temperature: 40°C
simulant C: ethanol 10% (v:v)	contact duration: 10 days
simulant D: alternative test method; ethanol 95 %	contact method: food contact side reduction factor simulant D: 1

Test results:

overall migration:
< 10 mg/dm² for each used simulant — The maximum limit for the overall migration is 10 mg/dm² or 60 mg/kg foodstuffs.

residue of vinyl chloride monomer:
< 1 mg/kg — Vinyl chloride: QM = 1 mg/kg

The results show that the delivered tested *samples* are suitable for long term contact with *all foodstuffs* at a temperature to 40°C if all monomers and other starting substances used for the manufacturing appear in the positive list (2002/72/EC and amendments).

The complete description of the presented material, the results and findings of the tests are given in the repor[redacted] the 10/11/2010 which is inextricable to this certificate.

Any change of the presented material involves a new series of conformity tests on the modified material.

The report and certificate exclusively refers to the tested objects.

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Certificate of test. Overall migration below 10 mg/dm² in all simulants; residual vinyl chloride below 1 mg/kg.

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