

## EUROKRAFT specific migration results

Results of specific migration for various substances performed by accredited laboratory in accordance with regulation regarding **EUROKRAFT** paper grade.

### Preparation of Extracts:

The extracts were prepared according to the "Methods for the examination of consumer goods" following the method B 80.56 of the Official Collection of Analytical Methods according to § 64 LFGB and according to the demands of standards EN 645, EN 647 and EN 15519

Water: 2 hours at 80 °C and Isooctane: 2 hours at 60 °C

### Determination of Formaldehyde in the water extract:

The determination was performed photometrically according to the acetylacetone method in conformity with DIN EN 1541. The requirements of the method B 82.02-1 indicated in the Official Collection Of Analytical Method according to § 64 of the LFGB for consumer goods were observed.

**Result: not determinable < 0.004 mg/g dry matter**

### Determination of Glyoxal in the water extract:

The determination was performed according to the DIN 54603. The demands of the method n° 4.3.2.2. of the loose-sheet collection "Examination of papers and boards intended for food packaging according to the German Recommendation XXXVI" are taken into consideration.

**Result: ≈ 0.009 mg/g dry matter**

### Determination of Pentachlorophenol (PCP) in the water extract:

The analysis was made according to DIN EN ISO 15320 by means of gas chromatography in the water extract after concentration at a column and esterification. The detection was performed by means of ECD.

**Result: not determinable < 0.01 mg/Kg dry matter**

### Determination of the Heavy Metals contents in the water extract:

The determination was performed according to DIN EN 12497 and DIN EN 12498.

#### **Results:**

**Cadmium (Cd): not determinable < 0.001 mg/l water extract**

**Mercury (Hg): not determinable < 0.001 mg/l water extract**

**Chromium (Cr): not determinable < 0.004 mg/l water extract**

**Lead (Pb): not determinable < 0.001 mg/l water extract**

### Determination of Polychlorinated Biphenyls (PCB) in the water extract:

The determination was performed according to DIN EN ISO 15318 by means of gas chromatography. The demand of the method B 80.56-1 within the Official Collection of Analytical Methods according to § 64 of LFGB for consumer goods are considered. The numbers of refer to the Ballschmitter nomenclature.

**Results: not determinable < 0.01 mg/kg dry matter**

### Gaschromatographic analysis of the organic solvent extract:

The isooctane extract was analysed gaschromatographically according to SOP 160.200 by means of flame ionization detection. A summary, semiquantitative estimation of all compounds eluting between tetradecane (C<sub>14</sub>) and tetracontane (C<sub>40</sub>) was performed.

**Results: ≈ 0.2 mg/g dry matter**



**Didier LARTIGUE**

*Regulation Product Manager*