

Aschaffenburg, 26 March 2020

From: IIs-kr  
Authorized by: IIs**REPORT**

**Order No.:** 13008/30      **Page 1 of 3 pages**

**Client:** BALSAC Papermill s.r.o.  
Lukavice 21  
789 01 Zábřeh  
Czech Republic

**Date of order:** 2 March 2020

**Receipt of sample material:** 5 March 2020

**Origin of sample material:** From the client

**Purpose:** Analysis of four paper grades for various parameters



(Dr. Derra)

Managing Director



(IIs)

Officially certified  
food chemist  
Project manager

The present report refers exclusively to the samples as laid out therein. Information and statistical data on the results can be obtained on request.

## **Sample Material**

For analysis the following sample material was at hand:

Sample 1:	LUKAWHITE ALPHA
Sample 2:	LUKAWHITE FLEX
Sample 3:	LUKAWHITE CLASSIC
Sample 4:	LUKAWHITE STAR

If not stated differently, the four samples were tested as a mixed sample.

## **Carrying out of the Tests**

Examination period: 5 March 2020 to 25 March 2020

### **1. Determination of Polychlorinated Biphenyls (PCB) \***

The determination was performed according to DIN EN ISO 15318:1999-12 by means of GC-ECD. The numbers refer to the Ballschmider nomenclature.

Result:

Mixed sample:

18	2,2',5-Trichlorobiphenyl	not quantifiable	< 0.01	mg/kg dry matter
28	2,4,4'-Trichlorobiphenyl	not quantifiable	< 0.01	mg/kg dry matter
52	2,2',5,5'-Tetrachlorobiphenyl	not quantifiable	< 0.01	mg/kg dry matter
101	2,2',4,5,5'-Pentachlorobiphenyl	not quantifiable	< 0.01	mg/kg dry matter
138	2,2',3,4,4',5'-Hexachlorobiphenyl	not quantifiable	< 0.01	mg/kg dry matter
153	2,2',4,4',5,5'-Hexachlorobiphenyl	not quantifiable	< 0.01	mg/kg dry matter
180	2,2',3,4,4',5,5'-Heptachlorobiphenyl	not quantifiable	< 0.01	mg/kg dry matter

### **2. Determination of the Heavy Metals Contents \***

The determination was performed after microwave disintegration by means of AAS or ICP-OES.

Result:

Mixed sample:

Arsenic	(As):	not quantifiable	< 2	mg/kg
Cadmium	(Cd):	not quantifiable	< 0.5	mg/kg
Chromium	(Cr):		1.8	mg/kg
Mercury	(Hg):	not quantifiable	< 0.25	mg/kg
Lead	(Pb):	not quantifiable	< 5	mg/kg

### **3. Extraction Tests According to the FDA Regulations \***

The determination was performed according to 21 CFR 176.170 in triplicate.

a) Solvent: Water

Condition: 24 hours at 49 °C (condition of use E)

Result:

Mixed sample: 0.07 mg/sq inch

chloroform soluble portion: The determination is not necessary as the test result already corresponds with the limit value.

Comment: Limit Value (chloroform soluble portions): 0.5 mg/ sg inch

b) Solvent: n-Heptane

Condition: 30 minutes at 21 °C (condition of use E)

Result:

Mixed sample: 0.02 mg/sq inch

chloroform soluble portion: The determination is not necessary as the test result already corresponds with the limit value.

Comment: Limit Value (chloroform soluble portions): 0.5 mg/ sg inch

The accreditation applies to the methods marked with \* in the test report (Register no. D-PL-14160-01-01 and D-PL-14160-01-02).

End of report