



INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI, a. s.
třída Tomáše Bati 299, Louky, 763 02 Zlín, Czech Republic
TESTING LABORATORY - TESTING DIVISION

issues

ATTEST
No. 472116681-01

On samples:

Bags with printing
made of LUKABROWN ALPHA paper

Client:

Balsac papermill s.r.o.
Lukavice 21, 789 01 Zábřeh, Czech Republic, ID: 01610368

Evaluation of the measured parameters:

The evaluated parameters mentioned on the pages 3 – 10 of the Attest meet hygienic requirements for the products made of paper given by Health Ministry Decree No. 38/2001 Coll., "Hygienic requirements for materials intended to come into contact with foodstuffs", as amended and German Recommendation BfR (Bundesinstitut für Risikobewertung - Federal Institute for Risk Assessment) XXXVI Paper and cardboard for food contact (including the requirements for recycled fibres).

The evaluated sample does not cause a deterioration in organoleptic characteristics of food.

The evaluated sample meets requirements of the article 3 of Regulation (EC) No. 1935/2004 of the European Parliament and of the Council on materials and articles intended to come into contact with food.

This Attest was issued on the basis of the accredited test reports Ref. No. 472114923-01 issued on February 22, 2022 and Ref. No. 472116681-01 issued on August 17, 2023 and the test report Ref. No. 472114983-02 issued on February 22, 2022.

Issued on: August 17, 2023

Valid till: August 31, 2026




Dipl. Ing. Jiří Samsonek, Ph.D.
Head of the testing laboratory

Conditions for use of the Attest and associated information:

- 1. The Attest applies only to the sample tested by our laboratory.*
- 2. The Attest remains in effect until production technology, initial materials and standards or corresponding regulations are changed; however, its validity will extend beyond the period of its effect.*
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ATTEST
No. 472116681-01
Submitted sample:



Fig. No. 1: Bags with printing made of LUKABROWN ALPHA paper



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ATTEST
No. 472116681-01
Values obtained

Test results taken from the test report Ref. No. 472116681-01

Assessment of organoleptic properties

Bags with printing made of LBA paper

Food simulant		ČSN EN 1230-2 biscuits		ČSN EN 1230-2 chocolate		ČSN EN 1230-1 without food simulant
Assessor No.	Unit	Odour	Odour	Odour	Flavour	Pach
1	level	0	0	0	0	1
2	level	0	0	0	0	1.5
3	level	0	0	0	0	1.5
4	level	0	0	0	0	2 (chemical)
5	level	0	0	0	0	1
6	level	0	0	0	0	1.5
Mean	level	0	0	0	0	1.5

Off-odour and off-taste scale:

0 = No perceptible off-odour or off-taste

1 = Just perceptible off-odour or off-taste (off-odour and off-taste determination is very difficult)

2 = Slightly perceptible off-odour or off-taste

3 = Clearly perceptible off-odour or off-taste

4 = Strong off-odour or off-taste

According to Regulation (EC) No. 1935/2004 of the European Parliament and of the Council the articles shall not cause deterioration in the organoleptic characteristics of food.



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ATTEST

No. 472116681-01

Test results according to the requirements of Suppl. No. 12 to Decree No. 38/2001 Coll.

Test results taken from the test report Ref. No. 472114983-01

LUKABROWN ALPHA (LBA)

Parameter	Unit	Value obtained ¹⁾	Limit ²⁾
Assessment of the paper material			
Moisture	% w/w	7.11±0.03	max. 8.0
PCB ³⁾	mg/kg of dry matter	< 0.20	max. 2.0
Polychlorinated phenols ⁴⁾	mg/kg of dry matter	< 0.05	max. 0.05
PAH ⁵⁾	mg/kg of dry matter	< 0.01	max. 0.05
Content of the substances in the leachate (20 dm² / 1000 ml of distilled water, (20±2) °C / 24 h)			
Formaldehyde	mg of CH ₂ O/ dm ²	< 0.01	max. 0.10 max. 1.0 ⁷⁾
Total nitrogen	mg of N / dm ²	< 0.03	max. 0.2
Phthalates ⁶⁾	mg/dm ²	< 0.02	max. 0.20
Phenolic compound	mg of phenol /dm ²	< 0.01	max. 0.05
Fluorescence (365 nm)	-	- ⁸⁾	No fluorescence
Mercury	mg/kg of dry matter	< 0.05	max. 0.3
Cadmium	mg/kg of dry matter	< 0.05	max. 0.5
Chromium	mg/kg of dry matter	< 0.05	max. 0.1
Lead	mg/kg of dry matter	< 0.05	max. 3.0
Arsenic	mg/kg of dry matter	< 0.05	max. 3.0

Test results taken from the test report Ref. No. 472116681-01

Bags with printing made of LBA paper

Parameter	Unit	Value obtained ¹⁾	Limit ²⁾
Assessment of the paper material			
Moisture	% w/w	5.83±0.04	max. 8.0
Content of the substances in the leachate (20 dm² / 1000 ml of distilled water, (20±2) °C / 24 h)			
Primary aromatic amines	mg /dm ²	- ⁸⁾	max. 0.002
Mercury	mg/kg of dry matter	< 0.05	max. 0.3
Cadmium	mg/kg of dry matter	< 0.05	max. 0.5
Chromium	mg/kg of dry matter	< 0.05	max. 0.1
Lead	mg/kg of dry matter	< 0.05	max. 3.0
Arsenic	mg/kg of dry matter	< 0.05	max. 3.0

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Notes to the table:

- 1) Symbol „<” means less than limit of detection of the analytical method. The test results are expressed including the reported expanded uncertainty based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%
- 2) Limit values according to the Ministry of Health Decree No. 38/2001 Coll., as amended
- 3) PCB – polychlorinated biphenyls, sum of congeners 28, 52, 101, 118, 138, 153 a 180
- 4) Polychlorinated phenols expressed as pentachlorophenol
- 5) PAH - polycyclic aromatic hydrocarbons; sum of: benzo/b/fluoranthene, benzo/k/fluoranthene, benzo/a/pyrene, dibenzo/a,h/anthracene, benzo/g,h,i/perylene, indeno/1,2,3-c,d/pyrene expressed as benzo/a/pyrene
- 6) Sum of dibutyl phthalate (DBP), di-(2-ethylhexyl) phthalate (DEHP), diisodecyl phthalate (DIDP), benzylbutyl phthalate (BBP), diisononyl phthalate (DINP), di-n-octyl phthalate (DNOP)
- 7) Limit value according to German Recommendation BfR XXXVI Paper and cardboard for contact with foodstuffs.
- 8) The alternative test was performed – see the tables on the pages 6 and 7

Test results according to the requirements of German Recommendation BfR XXXVI

Determination of metals in the leachate (acc. to ČSN EN 645)

Test results taken from the test report Ref. No. 472114983-01

LUKABROWN ALPHA (LBA)

Parameter	Unit	Value obtained ¹⁾	Limit ²⁾
Cd - Cadmium	mg/l of extract	< 0.001	max. 0.005
Cr - Chromium	mg/l of extract	< 0.005	not-detectable
Pb - Lead	mg/l of extract	< 0.005	max. 0.01
Al - Aluminium	mg/l of extract	0.25±0.07	max. 1.0

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- 1) Symbol „<” means less than limit of detection of the analytical method. The test results are expressed including the reported expanded uncertainty based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%
- 2) Limit value according to BfR XXXVI Paper and cardboard for contact with foodstuffs



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ATTEST No. 472116681-01

Determination of fastness of fluorescent whitened paper according to ČSN EN 648 procedure A – long-term contact

Test results taken from the test report Ref. No. 472114983-01

LUKABROWN ALPHA (LBA)

Simulant	Unit	Value obtained ¹⁾
Distilled water	level	5
3% acetic acid	level	5
Alkaline salt solution (pH 8.6)	level	5
Olive oil	level	5
Limit ²⁾	level	Min. 5

Notes to the table:

- ¹⁾ 5 level correspond to the zero content of fluorescent brighteners that migrate into filter paper = good fastness
- ²⁾ Limit value according to BfR XXXVI Paper and cardboard for contact with foodstuffs

Determination of glyoxal according to DIN 54603 in the leachate (acc. to ČSN EN 645)

Test results taken from the test report Ref. No. 472114983-01

LUKABROWN ALPHA (LBA)

Parameter	Unit	Value obtained ¹⁾	Uncertainty ²⁾	Limit ³⁾
Glyoxal content	mg/dm ²	0.0016	0.0003	max. 1.5
	mg/kg of dry matter	2.70	0.40	-

Notes to the table:

- ¹⁾ Symbol „<“ means less than limit of detection of the analytical method.
- ²⁾ The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%.
- ³⁾ Limit value according to BfR XXXVI Paper and cardboard for contact with foodstuffs

Overall migration determination

Test results taken from the test report Ref. No. 472114983-01

LUKABROWN ALPHA (LBA)

Food simulant	Unit	Value obtained ¹⁾		Analytical tolerance ²⁾	Limit ³⁾
		Single results	Average		
MPPO ⁴⁾ , (40±2) °C/10 days	mg/dm ²	<2; <2; <2	<2	3	max. 10

Notes to the table:

- ¹⁾ Symbol „<“ means less than LOQ (limit of quantification) of the analytical method.
- ²⁾ Analytical tolerance according to ČSN EN 1186-1, article 12.3
- ³⁾ Limit values according to Commission Regulation (EU) No 10/2011, as amended
- ⁴⁾ Modified polyphenyleneoxide

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ATTEST

No. 472116681-01

Determination of primary aromatic amines (PAAs) in leachate

Test results taken from the test report Ref. No. 472116681-01

Bags with printing made of LBA paper

leachate: distilled water, (20±2) °C / 24 h; 10 g / 250 ml

Primary aromatic amine (PAA)	CAS No.	Unit ¹⁾	Test result ²⁾	Limit ³⁾
PAAs classified as carcinogens in classes 1A and 1B of the CLP Regulation (EC) 1272/2008				
4-Aminobiphenyle	92-67-1	mg/kg	< 0.002	N.D.
Benzidine	92-87-5	mg/kg	< 0.002	N.D.
4-Chloro-o-toluidine	95-69-2	mg/kg	< 0.002	N.D.
2-Naphthylamine	91-59-8	mg/kg	< 0.002	N.D.
o-Aminoazotoluene	97-56-3	mg/kg	< 0.002	N.D.
p-Chloroaniline	106-47-8	mg/kg	< 0.002	N.D.
2,4-Diaminoanisole	615-05-4	mg/kg	< 0.002	N.D.
4,4'-Diaminodiphenylmethane	101-77-9	mg/kg	< 0.002	N.D.
3,3'-Dichlorobenzidine	91-94-1	mg/kg	< 0.002	N.D.
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	< 0.002	N.D.
3,3'-Dimethylbenzidine	119-93-7	mg/kg	< 0.002	N.D.
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	mg/kg	< 0.002	N.D.
p-Cresidine	120-71-8	mg/kg	< 0.002	N.D.
4,4'-Methylen-bis(2-chloroaniline)	101-14-4	mg/kg	< 0.002	N.D.
4,4'-Oxydianiline	101-80-4	mg/kg	< 0.002	N.D.
4,4'-Thiodianiline	139-65-1	mg/kg	< 0.002	N.D.
o-Toluidine	95-53-4	mg/kg	< 0.002	N.D.
2,4-Toluenediamine	95-80-7	mg/kg	< 0.002	N.D.
2,4,5-Trimethylaniline	137-17-7	mg/kg	< 0.002	N.D.
o-Anisidine	90-04-0	mg/kg	< 0.002	N.D.
p-Aminoazobenzene	60-09-3	mg/kg	< 0.002	N.D.
Screening for others	4)	-	No PAA detected ⁵⁾	-
Sum of detected PAAs	-	mg/kg	-	max. 0.01

Notes to the table:

- 1) Expressed as mg of the substance per kg of food simulant
- 2) Symbol „<“ means less than limit of detection of the analytical method
- 3) Limit values according to Commission Regulation EU 10/2011 as amended
- 4) These PAAs were screened – CAS No. 95-68-1, CAS No. 87-62-7, CAS No. 2243-62-1, CAS No. 62-53-3, CAS No. 95-51-2, CAS No. 108-42-9, CAS No. 106-49-0, CAS No. 106-50-3, CAS No. 823-40-5, CAS No. 121-69-7, CAS No. 6582-52-1, CAS No. 1208-52-2, CAS No. 6358-64-1, CAS No. 95-82-9, CAS No. 94-70-2, CAS No. 2835-68-9, CAS No. 81-16-3, CAS No. 88-44-8, CAS No. 49564-57-0, CAS No. 95-23-8, CAS No. 132-32-1, CAS No. 95-54-5, CAS No. 67014-36-2, CAS No. 156-43-4, CAS No. 90-41-5, CAS No. 99-55-8
- 5) LOD (limit of detection) of individual PAA is 0,005 mg/kg
N.D. = not detectable; limit of detection 0,002 mg/kg

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ATTEST
No. 472116681-01

Determination of colour fastness according to ČSN EN 646

Test results taken from the test report Ref. No. 472116681-01

Bags with printing made of LBA paper
- black and yellow printing

procedure A; 23 °C / 24 h (long time contact)

Simulant	Unit	Value obtained ¹⁾	
		side with printing	side without printing
Distilled water	level	5	5
3% acetic acid	level	5	5
Alkaline salt solution (pH 8.6)	level	3 (black colour)	5
Olive oil	level	5	5
Limit ²⁾	level	-	Min. 5

Bags with printing made of LBA paper
- black and yellow printing

procedure B; 23 °C / 4 h (medium time contact)

Simulant	Unit	Value obtained ¹⁾	
		side with printing	side without printing
Alkaline salt solution (pH 8.6)	level	5	5
Limit ²⁾	level	-	Min. 5

Bags with printing made of LBA paper
- red-brown printing

procedure A; 23 °C / 24 h (long time contact)

Simulant	Unit	Value obtained ¹⁾	
		side with printing	side without printing
Distilled water	level	5	5
3% acetic acid	level	5	5
Alkaline salt solution (pH 8.6)	level	5	5
Olive oil	level	5	5
Limit ²⁾	level	-	Min. 5

Notes to the tables:

- ¹⁾ 5 level corresponds to the zero colorants migration into filter paper = good fastness
- ²⁾ Limit value according to German Recommendation BfR XXXVI Paper and cardboard for food contact

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ATTEST
No. 472116681-01

Test results taken from the test report Ref. No. 472114983-01

Determination of Kathon (CAS 55965-84-9) in the leachate (acc. to ČSN EN 645)

LUKABROWN ALPHA (LBA)

Parameter	Unit	Value obtained ¹⁾	Limit ²⁾
5-Chloro-2-methyl-3(2H)-isothiazolone with 2-methyl-3(2H)-isothiazolone (3:1) (Kathon), CAS 55965-84-9	µg/dm ²	< 0,1	max. 0.5

Notes to the table:

- 1) Symbol „<” means less than limit of detection of the analytical method.
- 2) Limit value according to BfR XXXVI Paper and cardboard for contact with foodstuffs

Test results of the specific migration of substances restricted by SML

LUKABROWN ALPHA (LBA)

Parameter	Unit ¹⁾	Value obtained ²⁾	Limit ³⁾
Specific migration into distilled water, 20 °C / 24 h			
Ethyleneglycol, CAS 107-21-1 and diethyleneglycol, CAS 111-46-6	mg/kg	< 8.8 ⁴⁾	max. 30 ⁴⁾
Diethanolamine, CAS 111-42-2	mg/kg	0.10±0.02	max. 0.3

Notes to the table:

- 1) Expressed as mg of substance per kg of simulant for the migration ratio 60 cm² / 100 ml
- 2) Symbol „<” means less than LOD (limit of detection) of the analytical method. The test results are expressed including the reported expanded uncertainty based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%.
- 3) Limit values according to Commission Regulation (EU) No 10/2011, as amended
- 4) The sum of these substances expressed as ethyleneglycol

Test results taken from the test report Ref. No. 472114983-02

Test results of the transfer of antimicrobial constituents according to ČSN EN 1104

LUKABROWN ALPHA (LBA)

Bacillus subtilis (BGA) spore suspension	Test microorganisms Aspergillus niger, CCM 8155
No inhibition zone - no transfer of water-soluble antimicrobial constituents	No inhibition zone - no transfer of water-soluble antimicrobial constituents

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ATTEST No. 472116681-01

Test results taken from the test report Ref. No. 472114983-01

Test results of the specific migration of substances restricted by SML in recycled papers according to German Recommendation BfR XXXVI

LUKABROWN ALPHA (LBA)

Parameter	Unit ¹⁾	Value obtained ²⁾	Limit ³⁾
Specific migration into distilled water, 20 °C / 24 h			
4,4'-bis(dimethylamino)benzophenone, CAS 90-93-7	mg/kg	< 0.002	max. 0.01
Diethylhexyl phthalate, CAS 117-81-7	mg/kg	< 0.02	max. 1.5
Di-n-butyl phthalate, CAS 84-74-2	mg/kg	< 0.02	max. 0.3
Diisobutyl phthalate, CAS 84-69-5	mg/kg	< 0.02	
Benzophenone, CAS 119-61-9	mg/kg	< 0.02	max. 0.6
Bisphenol A, CAS 80-05-7	mg/kg	< 0.01	max. 0.05
Bisphenol S, CAS 80-09-1	mg/kg	0.005±0.001	max. 0.05

Notes to the tables:

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- ³⁾ Limit values according to BfR XXXVI Paper and cardboard for contact with foodstuffs

Determination of diisopropylnaphthalene

LUKABROWN ALPHA (LBA)

Parameter	Unit	Value obtained ¹⁾	Uncertainty ²⁾
Diisopropylnaphthalene content	mg/kg of dry matter	1.08	0.12
Diisopropylnaphthalene - specific migration into MPPPO ³⁾ , (40±2)°C, 10 days	mg/dm ²	< 0.002	-

Notes to the tables:

- ¹⁾ Symbol „<“ means less than limit of detection of the analytical method.
- ²⁾ The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%.
- ³⁾ Modified polyphenyleneoxide



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třída Tomáše Bati 299, Louky, 763 02 Zlín, Czech Republic
Testing Laboratory - D2

Attest No. 472116681-01

Sample description and identification:

ITC's number	Sample identification by client	Description of submitted sample
16681/1a	Bags with printing made of LUKABROWN ALPHA paper - yellow and black printing	- see the figure No. 1 on the page 2 of this attest
16681/1b	Bags with printing made of LUKABROWN ALPHA paper -red-brown printing	

LUKABROWN ALPHA paper was already tested in the laboratory in 2022, and based on this assessment, the test reports No. 472114923-01 and 472114923-02 were issued. According to the customer's information, the printed bag is made of the same LBA paper; therefore, an evaluation of selected parameters related to the print was carried out for the submitted sample.

Work requested:

Evaluation of hygienic properties of the sample according to Decree of Health Ministry No. 38/2001 Coll. *for articles intended into a contact with foodstuffs*, as amended, in compliance with Law of Czech Republic No. 258/2000 Coll. *about protection of the public health*, as amended and according to German Recommendation BfR XXXVI *Paper and cardboard for foodstuffs*.

The evaluation of hygienic properties of the sample is based on European legislation in the sense of Regulation (EC) No. 1935/2004 of the European Parliament and of the Council *on materials and articles intended to come into contact with food*.

Opinions and interpretations:

The evaluated product "**Bags with printing made of LUKABROWN ALPHA paper**" are intended to contact with food.

The requirements for products intended to come into direct contact with foodstuffs are given by Decree of the Health Ministry No. 38/2001 Coll., as amended (hereinafter referred to as Decree 38) and by European Parliament and Council Regulation No. 1935/2004 (hereinafter referred to as Regulation 1935). The client required also the assessment according to the requirements of German Recommendation BfR XXXVI *Paper and cardboard for foodstuffs* (hereinafter referred to as BfR XXXVI).

General requirements – decree 38, Regulation 1935, BfR XXXVI

The products intended to come into contact with foodstuffs shall be manufactured so that, under normal or foreseeable conditions of use, they do not transfer their constituents to food in quantities which could endanger human health or bring about an unacceptable change in the composition of the food or bring about a deterioration in the organoleptic characteristics thereof. The performed tests verified that the evaluated sample does not cause a deterioration of the organoleptic properties of the food (see the tables on the page 3 of this attest). The constituent transferring is discussed further.

Requirements for paper products – decree 38

- Assessment of base materials, additives, adjuvants and the other substances (§ 21, paragraph 1, § 22, paragraph 2) is not a part of this Attest.
- The moisture of products made of paper packaging shall be up to the limit of 8 % w/w. The conformity was proved by the test – see the table on the page 4 of this Attest.

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Testing Laboratory - D2

Attest No. 472116681-01

- Paper packaging for direct contact with foodstuffs shall not be used repeatedly – it is not supposed that the products will be repeatedly used.
- The products made of paper, cartons and cardboard shall meet hygienic requirements given by the part 4 of the supplement No. 12. The conformity was proved by the tests and the products meet all limit values. The test results are listed in the tables on the page 4 of this Attest.

Requirements for paper products – BfR XXXVI

- Following requirements are valid for the cold water extract of the final products: maximum of 0.005 mg/kg of cadmium, 0.01 mg/kg of lead and 1.0 mg/l of aluminium. Hexavalent chromium shall not be detectable. The conformity was proven by the test – see the table on the page 5 of this Attest.
- The final product shall not have preservative effects during foodstuffs contact (see the requirements of DIN EN 1104: Determination of the transfer of antimicrobial constituents) - the conformity was proven by the test and the results are mentioned on the page 9.
- Contents of formaldehyde and glyoxal in the cold water extract of the final product are limited – the conformity was proven by the tests – see the test results in the tables on the pages 4 and 6.
- The cold water extract of the final product shall not contain more than 0.5 µg/dm² of mixture of 5-chloro-2-methyl-4-isothiazolin-3-one (approx. 3 parts) and 2-methyl-4-isothiazolin-3-one (approx. 1 part) – the conformity was proven by the test – see the test result in the table on the page 9.
- Requirements for optical brighteners: The brighteners shall not migrate into foodstuffs - the conformity was proven by the test according to ČSN EN 648 –see the test result in the table on the page 6.
- Requirements for colour fastness: Colours shall not migrate into food – the conformity was proven by the test according to ČSN EN 646 – see the results shown in the tables on page 8. Regarding the evaluation of the print from the outside of the bag, which is not intended for contact with food, but accidental contact may occur, the black print colour is permanent only for medium term contact with food, i.e. for a maximum of 4 hours.
- Primary aromatic amines may not be released from the finished food contact material in a detectable amount. The detection limit is 0.01 mg/kg food or food simulant and applies to the sum of the released primary aromatic amines. Additionally, primary aromatic amines classified as carcinogens in classes 1A and 1B of the CLP Regulation (EC) 1272/2008 may not be released referred to the single substance with a detection limit of 0.002 mg/kg food or food simulant – the conformity was proven by the tests – see the test results in the table on the page 7.
- Substances restricted by SML in recycled papers are listed in Annex to BfR XXXVI. Specific migrations of these substances into distilled water were verified for the submitted sample. Diisopropylnaphthalene content in the mass and its specific migration into simulant E were verified. The test results are listed in the tables on the page 10. All test results meet the required limits.

The specific migration of the following substances restricted by SML according to Commission regulation (EU) No. 10/2011 were verified:

- Ethyleneglycol, CAS 107-21-1 and diethyleneglycol, CAS 111-46-6; SML=30 mg/kg (expressed as ethyleneglycol)
- Diethanolamine, CAS 111-42-2, SML=0.3 mg/kg

Conditions for use of the Attest and associated information:

1. The Attest applies only to the sample tested by our laboratory.
2. The Attest remains in effect until production technology, initial materials and standards or corresponding regulations are changed; however, its validity will extend beyond the period of its effect.
3. If further requirements of national or EU legal regulations apply to the product, the Attest does not replace procedures and documents necessary for assessment of compliance with these regulations.



INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI, a. s.
třída Tomáše Bati 299, Louky, 763 02 Zlín, Czech Republic
Testing Laboratory - D2

Attest No. 472116681-01

The test results of the specific migrations including migration conditions are mentioned in the table on the page 9 of this attest. The measured values of the specific migrations meet the required limit values.

The opinion expressed and interpretation made by:

Dipl. Ing. Šárka Kopečková, August 17, 2023

Conclusion:

The comparison of the obtained results with the limits of Decree No. 38/2001 Coll., as amended, of German Recommendation XXXVI and of the article 3 of European Parliament and Council Regulation No. 1935/2004 and evaluation of the conformity with these regulations are mentioned on the page 1 of this attest.

Dipl. Ing. Daniel Vít
Head of the laboratory of analytical
chemistry and microbiology

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