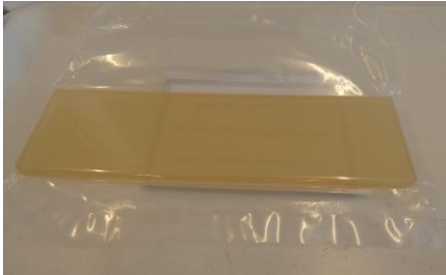


## REPORT

Report No.: 636459/1

Sample number: 2091168

<b>Product description:</b>	Filacorn PLA BIO - Ri04	
<b>Customer name and address:</b>	Friend Plastic Kereskedelmi és Szolgáltató Kft. 7300 Komló Anna akna 1/K.	
<b>Sample ID:</b>	201104F-NL-Ri04-25C,	
<b>Supplier:</b>	Hungarian Posta Zrt.	
<b>Time of shipment:</b>	10:20 09. 11. 2020.	
<b>Packaging / Quantity:</b>	Plastic bag, / 3 pcs	
<b>Beginning of analysis / end:</b>	09. 11. 2020. - 17. 12. 2020.	
<b>Tested features:</b>	Migration test	
<b>Comments:</b>		

### Statement of conformity

Regarding the tested parameters the present sample **complies** with the requirements of the Regulation (EU) No. 10/2011 with the following condition of use:

Food category: all type of foods

Contact time and temperature: Any long term storage at room temperature or below, including when packaged under hot-fill conditions.



Certificate validity check.

The laboratory is accredited under Reg.  
 No: NAH-1-1009/2019 by NAH

Project:  
 Migration test  
 (2020/E/10951)

Report No.:  
 636459/1;  
 17.12.2020

## Specific migration

### Applied standard

#### Preparatory:

(1) Regulation (EU) No. 10/2011 Annex III. and V.

(2) MSZ EN 13130-1:2004

#### Measurement:

(3) § 35 LMBG L 00.00 6 (1995)

(4) EPA Method 6020A:2007

Parameter	Result	Statement of conformity		
		Specification	Source	Evaluation
Aluminium (mg/kg) <sup>(1, 2, 4)</sup>	<0.1	max. 1	Reg. (EU) No.10/2011	<b>Complies</b>
Barium (mg/kg) <sup>(1, 2, 4)</sup>	<0.01	max. 1	Reg. (EU) No.10/2011	<b>Complies</b>
Cobalt (mg/kg) <sup>(1, 2, 4)</sup>	<0.01	max. 0.05	Reg. (EU) No.10/2011	<b>Complies</b>
Copper (mg/kg) <sup>(1, 2, 4)</sup>	<0.01	max. 5	Reg. (EU) No.10/2011	<b>Complies</b>
Iron (mg/kg) <sup>(1, 2, 4)</sup>	<0.05	max. 48	Reg. (EU) No.10/2011	<b>Complies</b>
Lithium (mg/kg) <sup>(1, 2, 4)</sup>	<0.01	max. 0.6	Reg. (EU) No.10/2011	<b>Complies</b>
Manganese (mg/kg) <sup>(1, 2, 4)</sup>	<0.01	max. 0.6	Reg. (EU) No.10/2011	<b>Complies</b>
Nickel (mg/kg) <sup>(1, 2, 4)</sup>	<0.01	max. 0.02	Reg. (EU) No.10/2011	<b>Complies</b>
Zinc (mg/kg) <sup>(1, 2, 4)</sup>	<0.05	max. 5	Reg. (EU) No.10/2011	<b>Complies</b>
Primary aromatic amines expressed as aniline hydrochloride (mg/kg) <sup>(1, 2, 3)</sup>	0.002	less than 0.01	Reg. (EU) No.10/2011	<b>Complies</b>

### Test conditions

Food simulant: acetic acid 3% (m/V)

Type of contact: by total immersion

Contact surface/food simulant: 6 dm<sup>2</sup>/kg

Contact time and temperature: 10 days 60°C

Food simulant volume: 104ml

Contact surface: 0.63dm<sup>2</sup>

## Overall migration

### Applied standard

#### Preparatory:

(1) Regulation (EU) No. 10/2011 Annex III. and V.

#### Measurement:

(2) MSZ EN 1186-3:2002

Parameter	Result	Statement of conformity		
		Specification	Source	Evaluation
Overall migration, acetic acid, 3%, 1. analysis (mg/dm <sup>2</sup> ) <sup>(1, 2)</sup>	1.9	-	-	-
Overall migration, acetic acid, 3%, 2. analysis (mg/dm <sup>2</sup> ) <sup>(1, 2)</sup>	1.7	-	-	-
Overall migration, acetic acid, 3%, 3. analysis (mg/dm <sup>2</sup> ) <sup>(1, 2)</sup>	1.7	-	-	-
Overall migration, acetic acid, 3%, average (mg/dm <sup>2</sup> ) <sup>(1, 2)</sup>	1.8	max. 10	Regulation (EU) No. 10/2011	<b>Complies</b>

### Test conditions

Type of contact: by total immersion

Contact surface/food simulant: 6.0 dm<sup>2</sup>/kg

Contact time and temperature: 10 days 40 °C

Food simulant volume: 105 ml

Contact surface: 0.6 dm<sup>2</sup>



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## Overall migration

### Applied standard

#### Preparatory:

(1) Regulation (EU) No. 10/2011 Annex III. and V.

#### Measurement:

(2) MSZ EN 1186-3:2002

Parameter	Result	Statement of conformity		
		Specification	Source	Evaluation
Overall migration, ethanol 10%, 1. analysis (mg/dm <sup>2</sup> )(1, 2)	1.9	-	-	-
Overall migration, ethanol 10%, 2. analysis (mg/dm <sup>2</sup> )(1, 2)	1.7	-	-	-
Overall migration, ethanol 10%, 3. analysis (mg/dm <sup>2</sup> )(1, 2)	1.1	-	-	-
Overall migration, ethanol 10%, average (mg/dm <sup>2</sup> )(1, 2)	1.6	max. 10	Regulation (EU) No. 10/2011	<b>Complies</b>

### Test conditions

Type of contact: by total immersion

Contact surface/food simulant: 6.0 dm<sup>2</sup>/kg

Contact time and temperature: 10 days 40 °C

Food simulant volume: 105 ml

Contact surface: 0.6 dm<sup>2</sup>

## Overall migration

### Applied standard

#### Preparatory:

(1) Regulation (EU) No. 10/2011 Annex III. and V.

#### Measurement:

(2) MSZ EN 1186-2:2002 (E)

Parameter	Result	Statement of conformity		
		Specification	Source	Evaluation
Overall migration, Vegetable oils, 1. analysis (mg/dm <sup>2</sup> )(1, 2)	4.9	-	-	-
Overall migration, Vegetable oils, 2. analysis (mg/dm <sup>2</sup> )(1, 2)	6.7	-	-	-
Overall migration, Vegetable oils, 3. analysis (mg/dm <sup>2</sup> )(1, 2)	8.5	-	-	-
Overall migration, Vegetable oils, average (mg/dm <sup>2</sup> )(1, 2)	6.7	max. 10	Regulation (EU) No. 10/2011	<b>Complies</b>

### Test conditions

Type of contact: by total immersion

Contact surface/food simulant: 6 dm<sup>2</sup>/kg

Contact time and temperature: 10 days 40°C

Food simulant volume: 105 ml

Contact surface: 0.6 dm<sup>2</sup>

Ágnes Kovács Dr.  
 Deputy Head of Analytical Laboratory  
 Department

This test report was generated from a validated system and is valid without a signature.

The laboratory accepts no responsibility for the information provided by the customer.

In the case of samples not taken by the laboratory, results refer only to the samples delivered to the laboratory.

Decision rule: We consider the sample meeting the requirements if the result with the expanded measurement uncertainty overlaps with the range of requirement.

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