

**ZAGREB PUBLIC HEALTH INSTITUTE**

**Health Ecology Service**

**Food Hygiene Department**

Mirogojska cesta 16, tel.: 01/4696 227. fax: 01/4678 103

www.publichealth-zagreb.hr

The Health Ecology Service is accredited by the Croatian Accreditation Agency according to the requirements of the HRN EN ISO/IEC 17025:2004 standard, for performance of chemical, microbiological and ecotoxicological tests of water, food and general use products. The accreditation applies to the procedures specified in the Certificate of Accreditation HAA no. 1040/05 of 15 July 2005.

The Food Hygiene Department is registered in the Registry of Authorized Laboratories in Ecological Production Entitled to Test Products, Processes and Services:

- Under the resolution of the Ministry of Health of the Republic of Croatia, class: UP/I 540-02/00-01/0020, ref. no.: 534-04-01/00-4 of 19 December 2000;
- Under the resolution of the Ministry of Economy of the Republic of Croatia (Official Gazette 108/97) and the Ministry of Agriculture and Forestry UP/I-320-08/OI-01/23, ref. no. 525-02-01-02 of 31 July 2007;
- Under the resolution of the Ministry of Agriculture, Forestry and Water Management, class: UP/I 320-01/03-01/2, ref. no.: 525-2-03-3 of 25 April 2005.

The indicators marked with an asterisk (\*) have been obtained by methods specified in the authorization HAA no. 1040/05 of 15 July 2005.  
Zagreb, 13 March 2007

**TEST REPORT**

Analytical number: 05402 1084/07

Client: CORTEC EAST EUROPEAN OFFICE  
ZELENGAJ 75, 10000 ZAGREB, Croatia

The results only pertain to the analyzed sample and may not be reproduced without executor's approval or used for advertising purposes.

**ANALYTICAL NUMBER: 05402 1084/07**

**Zagreb, 13 March 2007**

**GENERAL INFORMATION**

Sample name: ECO FILM  
Sample type: Packaging made of artificial materials

Delivery time: 01.02.2007, 11:41 a.m.

Client: CORTEC EAST EUROPEAN OFFICE  
ZELENGAJ 75, 10000 ZAGREB, Croatia

Analysis commenced at: 02.02.2007 12:18 p.m.      Analysis completed at: 13.03.2007 2:59 p.m.

Reason for request: Health safety  
Manufacturer: CORTEC CORPORATION  
USA

Deliver to:  
1. CORTEC EAST EUROPEAN OFFICE  
ZELENGAJ 75, 10000 ZAGREB, Croatia

**SAMPLE DESCRIPTION:**

The sample delivered is ECO FILM – BIODEGRADABLE FILM packed in properly labeled and sealed packaging made of artificial material; analysis requested by: CORTEC EAST EUROPEAN OFFICE, ZELENGAJ 75, 10000 ZAGREB, Croatia.

The sample is transparent biodegradable and compostable odorless film with a green pattern, having a thickness of 50 microns. The sample is intended for packaging of food, toys, and composting of organic waste and food.

**OPINION**

Considering the tested chemical health safety parameters, the analyzed sample is in compliance with Article 95 relating to Article 31, paragraph 1, items 1 and 2 of the Policy for Health Safety of Products Coming in Direct Contact with Food (Official Gazette 46/06), and is considered to be health-safe within the meaning of Article 3 of the General Use Products Act (Official Gazette 85/06).

Manager, Food Hygiene Department  
Doc. Dr. Sc. Jasna Bošnjir, Grad. Eng.  
(signed and stamped)

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**TEST RESULTS**  
**ANALYTICAL NUMBER: 05402 1084/07**

**Analysis ordered by: CORTEC EAST EUROPEAN OFFICE**  
**Analysis performed by: ZAGREB PUBLIC HEALTH INSTITUTE**  
**Sample name: ECO FILM**

**Division for Chemical Foodstuffs and General Use Products Testing**

Analysis commenced at: 02.02.2007 12:18 p.m.      Analysis completed at: 13.03.2007 2:32 p.m.

Analysis name	Method	Measuring unit	MAC**	Result
<b>ECO FILM</b>				
Global migration in water at 22°	XIII/1	mg/dm <sup>2</sup>		2.1
<b>Global migration in water at 22°</b>				
Global migration in extract w(CH <sub>3</sub> COOH)=3%	XIII/1	mg/dm <sup>2</sup>		4.8
Global migration in 10% ethanol extract	XIII/1	mg/dm <sup>2</sup>		3.5
<b>Led</b>				
Led in extract w(CH <sub>3</sub> COOH)=3%	XIII/2	mg/l		<0.05
<b>Cadmium (Cd)</b>				
Cadmium in extract w(CH <sub>3</sub> COOH)=3%	XIII/2	mg/l		<0.005
<b>Arsenic (As)</b>				
Arsenic in extract w(CH <sub>3</sub> COOH)=3%	XIII/2	mg/l		<0.002
<b>Mercury (Hg)</b>				
Mercury in extract w(CH <sub>3</sub> COOH)=3%	XIII/2	mg/l		<0.002
<b>Chromium (Cr)</b>				
Chromium in extract w(CH <sub>3</sub> COOH)=3%	XIII/2	mg/l		<0.02
<b>Selenium (Se)</b>				
Selenium in extract w(CH <sub>3</sub> COOH)=3%	XIII/2	mg/l		<0.001

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\*\* The maximum allowed concentration as per the statutory regulations specified in the opinion.

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**Zagreb, 13 March 2007**

<b>Barium (Ba)</b>				
Barium in extract w(CH <sub>3</sub> COOH)=3%	XIII/2	mg/l		<0.01
<b>Zinc (Zn)</b>				
Zinc in extract w(CH <sub>3</sub> COOH)=3%	XIII/2	mg/l		<0.06

Manager, Division for Chemical Foodstuffs and General Use Products Testing  
Dario Lasić, Grad. Eng.  
(signed and stamped)

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ZZJZGZ, Food Hygiene Department

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**ANALYTICAL NUMBER: 05402 1084/07**

**Zagreb, 13 March 2007**

**COST SUMMARY**

Invoice:

CORTEC EAST EUROPEAN OFFICE  
ZELENGAJ 75, 10000 ZAGREB, Croatia

Division	Price
Division for Chemical Foodstuffs and General Use Products Testing	1,380.00
<b>Total:</b>	<b>1,380.00</b>

ZZJZGZ



Zagreb, 29 May 2007  
Certification number: 98/07

I, ALAN PREMILOVAC, sworn-in-court interpreter of English, appointed thereto by the decree of the presiding judge of the County Court in Zagreb, File No.: 4Su-462/04 of April 23<sup>rd</sup>, 2004, do hereby declare and certify that this translation fully corresponds to its original rendered in the Croatian language.

