

DIVISIONE: **TESTING-CERTIFICAZIONE**  
DIVISION: **TESTING-CERTIFICAZIONE**

LABORATORIO: **Food Contact**  
LABORATORY: **Food Contact**

**RAPPORTO DI PROVA**  
*(Test Report)*

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N° 2005\FPM\FDC\17\_4

Data: 05/02/2018  
Date:

IDENTIFICAZIONE E DESCRIZIONE DEL CAMPIONE:  
SPECIMEN DESCRIPTION:

**794/2017 TRANSPARENT RPET TRAYS**

DATI IDENTIFICATIVI DEL CLIENTE:  
CLIENT:

**ILIP S.R.L.**  
VIA CASTELFRANCO, 52 - LOCALITÀ BAZZANO  
40050 VALSAMOGGIA (BO)

NORMA DI RIFERIMENTO:

REFERENCE STANDARD:

D.P.R. 777 dated 23/08/1982, D.L. 108 dated 25/01/1992, D.M.34 dated 21/3/73  
Regulations 1935/2004/EC GUCE L 338 dated 13/11/04 and 1895/2005/EC GUCE L 302 dated 19/11/2005.  
Regulation 10/2011/EU, GUUE L 12 dated 15/01/2011, and subsequent updatings.  
UNI EN 1186 1+15:2003 (see the overall migration test description for the identification of the technical standard part)

DISTRIBUZIONE ESTERNA:  
OUTSIDE DISTRIBUTION:

**ILIP S.R.L.**  
**Sig. Filippo Bignami**

DISTRIBUZIONE INTERNA:  
INSIDE DISTRIBUTION:

Copy to Division Head

ENTE DI ACCREDITAMENTO:  
ACCREDITATION BODY:

**GENERALITIES**

- Sample receiving date: 20/12/2017
- Analysis start date: 28/12/2017
- Analysis end date: 01/02/2018
- Deviation from test methods: NO

**SAMPLE DESCRIPTION**

794/2017 TRANSPARENT RPET TRAYS

**SAMPLING**

The initial sampling has been done by the customer.  
The sampling for the test has been done drawing casually part of the sample in our possession.

**DECLARATION**

The test results of the present report are related exclusively to the tested sample.  
The present test report cannot be partially reproduced without the authorization of CSI managing Director.  
The uncertainties are estimated as extended uncertainty obtained multiplying the standard uncertainty by the coverage factor k corresponding to a confidence level of about 95%. Normally, this factor = 2.

**PERFORMED DETERMINATIONS****1) DETERMINATION OF THE OVERALL MIGRATION**UNI EN 1186-1:2003 + UNI EN 1186-2:2003, UNI EN 1186-1:2003 + UNI EN 1186-3:2003

D.P.R. 777 dated 23/08/1982, D.L. 108 dated 25/01/1992, D.M.34 dated 21/3/73  
Regulations 1935/2004/EC GUCE L 338 dated 13/11/04 and 1895/2005/EC GUCE L 302 dated 19/11/2005. Regulations 10/2011/EU and subsequent updatings.

Food Food simulant	Contact condition
Ethanol 10% v/v -simulant A	10 days at 40°C
Acetic acid in aqueous solution 3% w/v - simulant B	10 days at 40°C
Rectified olive oil- simulant D2	10 days at 40°C

Migration test was carried out by **Article Filling:**SURFACE (dm<sup>2</sup>): 5.7

VOLUME (dl): 1.0

LOD (limit of detection): 1 mg/dm<sup>2</sup>

## RESULTS

### 1) DETERMINATION OF THE OVERALL MIGRATION

<b>794/2017 TRANSPARENT RPET TRAYS</b>			
Food simulant: <b>Ethanol 10% v/v - Food simulant A</b>			
Contact condition: <b>10 days at 40°C</b>			
Measured unit: <b>mg/dm<sup>2</sup>: mg/kg</b>			
<b>Measured value</b>	<b>Average value</b>	<b>Extended uncertainty</b>	<b>Limit value</b> (according to Reg.10/2011)
<1	<1	--	10 ± 2
<1			
<1			

<b>794/2017 TRANSPARENT RPET TRAYS</b>			
Food simulant: <b>Acetic acid in aqueous solution 3% w/v - Food simulant B</b>			
Contact condition: <b>10 days at 40°C</b>			
Measured unit: <b>mg/dm<sup>2</sup>: mg/kg</b>			
<b>Measured value</b>	<b>Average value</b>	<b>Extended uncertainty</b>	<b>Limit value</b> (according to Reg.10/2011)
<1	<1	--	10 ± 2
<1			
<1			

<b>794/2017 TRANSPARENT RPET TRAYS</b>						
Food simulant: <b>Rectified olive oil- Food simulant D2</b>						
Contact condition: <b>10 days at 40°C</b>						
Measured unit: <b>mg/dm<sup>2</sup>: mg/kg</b>						
<b>Measured value</b>	<b>Average value</b>	<b>Extended uncertainty</b>	<b>Volatiles Average</b> (to subtract if average value is > 2)	<b>Average value-Volatiles average</b>	<b>Extended uncertainty</b>	<b>Limit value</b> (according to Reg.10/2011)
1.7	1.7	0.4	<2	1.7	0.4	10 ± 3
2.0						
1.4						



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**CONCLUSIONS**

In the chosen test condition the sample **794/2017 TRANSPARENT RPET TRAYS** is suitable to be used in contact with foodstuffs for which Food simulants A, B e D2 are used.

The sample tested by this Laboratory are therefore suitable to come in contact with foodstuff mentioned above on condition that they have been produced employing the monomers, additives and technical support agents according to in force legislation, specific migrations are respected and they do not induce any organoleptic modification on foodstuff.

DATA  
Date

Settore Food Packaging Materials  
Food Packaging Materials Sector

Area Testing  
Testing Area

05/02/2018

Alberto Taffurelli

Ing. P. Fumagalli

Digitally signed document in accordance with Legislative Decree n. 82 dated March 7<sup>th</sup> 2005 and subsequent amendments.