

## ANALYTICAL REPORT / Test Report

Report No: 842camp24

Date: Mercato San Severino (SA), 28/01/2025

CLIENT: I.C.S. Industria Costruzioni Stampi S.P.A.

ADDRESS: Via Maura Ponti 27010 Copiano (PV)

### SAMPLE IDENTIFICATION

Field	Value
Sample No.	842camp24
Sample Receipt Date	25/11/2024
Sample Description	Materials and articles in contact with food - plastics
Sample Identification (customer data)	M0006
Start of Analysis	25/11/2024
End of Analysis	28/01/2025

### SAMPLING INFORMATION

Field	Value
Sampling Site	By customer
Sampling Carried Out By	By customer
Sampling Report No.	n.a.
Report Date	n.a.
Sampling Procedure	n.a.
Other Information	-

### TEST RESULTS

#### Global Migration Tests

Parameter	Analytical Method	Test Conditions	Result	Average	Unit	Limit	Regulatory Reference	LOQ	U
Global migration in aqueous food simulants by total immersion (Simulant Ethanol 10% V/V) - repetition 1	Reg EU 10/2011, UNI EN 1186-3:2022	10 days/40°C	< LOQ	-	mg/dm <sup>2</sup>	10	Reg. (EU) No. 10/2011 Art.12	1.56	-
Global migration in aqueous food simulants by total immersion (Simulant Ethanol	Reg EU 10/2011, UNI EN 1186-3:2022	10 days/40°C	< LOQ	< LOQ	mg/dm <sup>2</sup>	10	Reg. (EU) No. 10/2011 Art.12	1.56	-

Parameter	Analytical Method	Test Conditions	Result	Average	Unit	Limit	Regulatory Reference	LOQ	U
10% V/V) - repetition 2									
Global migration in aqueous food simulants by total immersion (Simulant Ethanol 10% V/V) - repetition 3	Reg EU 10/2011, UNI EN 1186-3:2022	10 days/40°C	< LOQ	-	mg/dm <sup>2</sup>	10	Reg. (EU) No. 10/2011 Art.12	1.56	-
Global migration in aqueous food simulants by total immersion (Simulant Acetic acid 3% p/V) - repetition 1	Reg EU 10/2011, UNI EN 1186-3:2022	10 days/40°C	< LOQ	-	mg/dm <sup>2</sup>	10	Reg. (EU) No. 10/2011 Art.12	1.40	-
Global migration in aqueous food simulants by total immersion (Simulant Acetic acid 3% p/V) - repetition 2	Reg EU 10/2011, UNI EN 1186-3:2022	10 days/40°C	< LOQ	< LOQ	mg/dm <sup>2</sup>	10	Reg. (EU) No. 10/2011 Art.12	1.40	-
Global migration in aqueous food simulants by total immersion (Simulant Acetic acid 3% p/V) - repetition 3	Reg EU 10/2011, UNI EN 1186-3:2022	10 days/40°C	< LOQ	-	mg/dm <sup>2</sup>	10	Reg. (EU) No. 10/2011 Art.12	1.40	-
Global migration in olive oil - repetition 1	DM 21/03/1973 and subsequent amendments	10 days/40°C	< LOQ	-	mg/dm <sup>2</sup>	10	Reg. (EU) No. 10/2011 Art.12	1.10	-
Global migration in olive oil - repetition 2	DM 21/03/1973 and subsequent amendments	10 days/40°C	< LOQ	< LOQ	mg/dm <sup>2</sup>	10	Reg. (EU) No. 10/2011 Art.12	1.10	-
Global migration in olive oil - repetition 3	DM 21/03/1973 and subsequent amendments	10 days/40°C	< LOQ	-	mg/dm <sup>2</sup>	10	Reg. (EU) No. 10/2011 Art.12	1.10	-

#### Specific Migration Tests

Parameter	Analytical Method	Test Conditions	Result	Average	Unit	Limit	Regulatory Reference	LOQ	U
Specific migration of primary aromatic amines (simulant Acetic acid 3% p/V) - repetition 1	LMBG § 35 L 00.00-6:1995/Cor:2002	10 days/60°C	<0.002	-	mg/kg	0.01	Reg. (EU) 2020/1245 Annex II	-	*
Specific migration of primary aromatic amines (simulant Acetic acid 3% p/V) - repetition 2	LMBG § 35 L 00.00-6:1995/Cor:2002	10 days/60°C	<0.002	-	mg/kg	0.01	Reg. (EU) 2020/1245 Annex II	-	*
Specific migration of primary aromatic amines (simulant Acetic acid 3% p/V) - repetition 3	LMBG § 35 L 00.00-6:1995/Cor:2002	10 days/60°C	<0.002	-	mg/kg	0.01	Reg. (EU) 2020/1245 Annex II	-	*

#### Specific Migration of Metals (Simulant B)

Element	Test Conditions	Result (Rep 1)	Result (Rep 2)	Result (Rep 3)	Average	Unit	Limit	Regulatory Reference
Aluminum	10 days/60°C	<0.5	<0.5	<0.5	<0.5	mg/kg	1	Reg. (EU) 2020/1245 Tab. 1
Barium	10 days/60°C	<0.5	<0.5	<0.5	<0.5	mg/kg	1	Reg. (EU) 2020/1245 Tab. 1
Cobalt	10 days/60°C	<0.025	<0.025	<0.025	<0.025	mg/kg	0.05	Reg. (EU) 2020/1245 Tab. 1
Copper	10 days/60°C	<2.5	<2.5	<2.5	<2.5	mg/kg	5	Reg. (EU) 2020/1245 Tab. 1
Iron	10 days/60°C	<5	<5	<5	<5	mg/kg	48	Reg. (EU) 2020/1245 Tab. 1
Lithium	10 days/60°C	<0.25	<0.25	<0.25	<0.25	mg/kg	0.6	Reg. (EU) 2020/1245 Tab. 1
Manganese	10 days/60°C	<0.25	<0.25	<0.25	<0.25	mg/kg	0.6	Reg. (EU) 2020/1245 Tab. 1
Zinc	10 days/60°C	<2.5	<2.5	<2.5	<2.5	mg/kg	5	Reg. (EU) 2020/1245 Tab. 1

Element	Test Conditions	Result (Rep 1)	Result (Rep 2)	Result (Rep 3)	Average	Unit	Limit	Regulatory Reference
Nickel	10 days/60°C	<0.01	<0.01	<0.01	<0.01	mg/kg	0.02	Reg. (EU) 2020/1245 Tab. 1
Arsenic	10 days/60°C	N.R.	N.R.	N.R.	N.R.	mg/kg	0.01	Reg. (EU) 2020/1245 Tab. 1
Cadmium	10 days/60°C	N.R.	N.R.	N.R.	N.R.	mg/kg	0.002	Reg. (EU) 2020/1245 Tab. 1
Chromium	10 days/60°C	N.R.	N.R.	N.R.	N.R.	mg/kg	0.01	Reg. (EU) 2020/1245 Tab. 1
Europium	10 days/60°C	<0.025	<0.025	<0.025	<0.025	mg/kg	0.05	Reg. (EU) 2020/1245 Tab. 1
Gadolinium	10 days/60°C	<0.025	<0.025	<0.025	<0.025	mg/kg	0.05	Reg. (EU) 2020/1245 Tab. 1
Lanthanum	10 days/60°C	<0.025	<0.025	<0.025	<0.025	mg/kg	0.05	Reg. (EU) 2020/1245 Tab. 1
Mercury	10 days/60°C	N.R.	N.R.	N.R.	N.R.	mg/kg	0.01	Reg. (EU) 2020/1245 Tab. 1
Lead	10 days/60°C	N.R.	N.R.	N.R.	N.R.	mg/kg	0.01	Reg. (EU) 2020/1245 Tab. 1
Terbium	10 days/60°C	<0.05	<0.05	<0.05	<0.05	mg/kg	0.05	Reg. (EU) 2020/1245 Tab. 1
Antimony	10 days/60°C	<0.03	<0.03	<0.03	<0.03	mg/kg	0.04	Reg. (EU) 2020/1245 Tab. 1

#### Additional Tests

Test	Method	Result	Unit	Limit
Sensory test - odor: beaker method	UNI 10192:2000-Method C	1	-	2.5
Identification and semi-quantitative evaluation (NIAS) of organic compounds	UNI/TS 11788:2020	See attachment	-	-

#### NOTES

- Surface area to volume ratio: 1 cm<sup>2</sup>/ml
- LOD = Limit of Detection
- LOQ = Limit of Quantification
- N.R. = Not detectable (Regulation (EU) 2020/1245 of September 2, 2020)
- U = Measurement uncertainty, where calculated, is expressed as expanded uncertainty at 95% confidence level with coverage factor k=2
- (\*) Test not accredited by ACCREDIA

**DECLARATION OF CONFORMITY**

With reference to the parameters analyzed, the sample is compliant with Reg EU 10/2011 and subsequent amendments.

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**END OF TEST REPORT****Technical Director**

(Dr. Felice di Nuzzo)

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