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DECLARATION OF COMPLIANCE FOR NYLON + FIBERGLASS MATERIAL

We hereby declares that products:

15700600 BLACK NYLON LADLE 6X31CM 4CL
15700800 BLACK NYLON LADLE 8X33CM 10CL
15701000 BLACK NYLON LADLE 10X35CM 20CL
15711000 BLACK NYLON SKIMMER 10X33CM
15711200 BLACK NYLON SKIMMER 12X35CM
15740000 BLACK NYLON LIFTER 9,5X11X35CM
15740100 BLACK NYLON PERFORATED LIFTER 9,5X11X35CM
15780000 BLACK NYLON SPOON 35CM
15780100 BLACK NYLON PERFORATED SPOON 35CM
156000 BLACK NYLON SPOON 38CM
156100 BLACK NYLON SPOON 30CM
01822302 KITCHEN & BBQ TONGS 23CM
01823002 KITCHEN & BBQ TONGS 40CM
01824002 KITCHEN & BBQ TONGS 40CM

Are suitable for contact with food, accomplished to following Italian and European law:

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 13/11/2004

Regulations 1895/2005/EC GUCE L 302 dated 19/11/2005

Regulation 10/2011/EU GUUE L 12 dated 15/01/2011 and subsequent updating

UNI EN 1186 1 ÷ 15:2003 (Test Report num. 1431\FPM\FDC\18_2 dated 04/12/2018)

Piazza Effepi srl
Piazza Ferdinando
Presidente del c.d.a.

DIVISIONE:
 DIVISION: **TESTING-CERTIFICAZIONE**

 LABORATORIO:
 LABORATORY: **Food Contact**
RAPPORTO DI PROVA
(Test Report)

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N° 1431\FPM\FDC\18_2

 Data: 04/12/2018
 Date:

 IDENTIFICAZIONE E DESCRIZIONE DEL CAMPIONE:
 SPECIMEN DESCRIPTION:

Palette in PA 66 – codice 15740000

 DATI IDENTIFICATIVI DEL CLIENTE:
 CLIENT:

PIAZZA EFFEPI SRL
 VIA PRIV.TA F.LLI CAIROLI 1
 28887 CRUSINALLO DI OMEGNA (VB)

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 updating.
 UNI EN 1186 1+15:2003 (see the overall migration test description for the identification of the technical standard part)

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 OUTSIDE DISTRIBUTION:

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 LAB N°0006
 Signatory of EA, IAF and ILAC
 Mutual Recognition Agreements



RAPPORTO DI PROVA (Test Report)

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N° 1431\FPM\FDC\18_2

Data: 04/12/2018
Date:

GENERALITIES

- Sample receiving date: 02/08/2018
- Analysis start date: 06/08/2018
- Analysis end date: 17/09/2018
- Deviation from test methods: NO

SAMPLE DESCRIPTION

Palette in PA 66 – codice 15740000

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.

(*)Not under ACCREDIA accreditation.

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 1186-5:2003

D.P.R. 777 dated 23/08/1982, D.L. 108 dated 25/01/1992, D.M.34 dated 21/3/73 S.O. GU n° 104 dated 20/04/73 and subsequent updating. Regulation 10/2011/EU, GUUE L 12 dated 15/01/2011, and subsequent updating. Regulation 1935/2004/EC GUCE L 338 dated 13/11/04.

Substance	Control condition
Acetic acid in aqueous solution 3% w/v - simulant B	2 hours at 100°C repeated contact
Ethanol 50% v/V – Simulant D1	2 hours at 100°C repeated contact
Rectified olive oil – Simulant D2	2 hours at 175°C repeated contact

Migration test was carried out by **Total Immersion**.

SURFACE (dm²): 0.6

VOLUME (dl): 1

LOD (limit of detection): 1 mg/dm².

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2) SPECIFIC MIGRATION OF PRIMARY AROMATIC AMINES

MI_05_2014_FPM_FDC_Rev.2

Determination of the specific migration of primary aromatic amines performed in food simulants using LC-MS / MS. The quantification is performed by an external calibration in the same simulant.

LMS: 0.010 mg/kg food

LoQ: 0.0004 mg/kg

3) SPECIFIC MIGRATION OF BA, CO, MN, ZN, CU, FE, LI, AL, NI (*)

MI_789600032_2018_Rev0

Determination of the specific migration of Ba, Co, Mn, Zn, Cu, Fe, Li, Al, Ni according to Reg. EU 10/2011 from the tested material into the simulants by ICP (Inductively Coupled Plasma) technique. The quantitative evaluation was carried out by external calibration of the elements in the same liquid simulants.

Ba - SML: 1 mg/kg; LOD: 0.02 mg/kg

Co - SML: 0.05 mg/kg; LOD: 0.02 mg/kg

Mn - SML: 0.6 mg/kg; LOD: 0.02 mg/kg

Li - SML: 0.6 mg/kg; LOD: 0.02 mg/kg

Zn - SML: 25 mg/kg currently in force according to Reg. EU 10/2011;

SML: 5 mg/kg will become effective from September 14, 2018 according to Reg. EU 1416/2016 (6° amendment of Reg. EU 10/2011); LOD: 1 mg/kg

Cu - SML: 5 mg/kg; LOD: 1 mg/kg

Fe - SML: 48 mg/kg; LOD: 1 mg/kg

Al - SML: 1 mg/kg will become effective from September 14, 2018 according to Reg. EU 1416/2016 (6° amendment of Reg. EU 10/2011); LOD: 0.5 mg/kg

Ni- SML: 0.02 mg/kg; LOD: 0.01 mg/kg will become effective from May 19, 2019 according to Reg. UE N. 2017/752 (7° amendment of Reg. EU 10/2011)

4) COLOURING MIGRATION IN AQUEOUS SIMULANTS

MI_789200557_2015_Rev.0

Determination of migration of the coloring agents from the tested material into the simulants by spectrophotometric analysis in the spectral range 400 - 750 nm; 10 cm optical path cell for the aqueous simulant and 1 cm for the fatty simulant.

Limit minimum 95% transmittance (T%).

5) SPECIFIC MIGRATION OF HEXAMETHYLENEDIAMINE (CAS 000124-09-4 - REF. 18460) (*)

MI_789200721_2015_Rev.0

Determination of the specific migration of hexamethylenediamine from the tested material into the simulant, by LC-MS analysis. The quantitative evaluation was carried out by external calibration of hexamethylenediamine in the same liquid simulants.

SML: 2.4 mg/kg

LOD: 1 mg/kg

RESULTS

1) DETERMINATION OF THE OVERALL MIGRATION

Palette in PA 66 – codice 15740000		
Food simulant: Ethanol 50% v/v - Simulant D1		
Contact condition: 2 hours at 100°C repeated contact		
Measured unit: mg/dm²		
M1		
Measured value	Average value	Extended uncertainty
4.7	4.5	1.2
3.8		
5.0		
M2		
Measured value	Average value	Extended uncertainty
4.0	3.6	0.9
3.8		
3.0		
M3		
Measured value	Average value	Extended uncertainty
2.3	2.8	0.7
2.7		
3.3		
M1 > M2 > M3	Final value M3	Limit value (according to Reg. UE 10/2011)
Yes	2.8 ± 0.7	10

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Palette in PA 66 – codice 15740000		
Food simulant: Acetic acid in aqueous solution 3% w/v - simulant B		
Contact condition: 2 hours at 100°C repeated contact		
Measured unit: mg/dm²		
M1		
Measured value	Average value	Extended uncertainty
10.5	10.2	2.6
9.8		
10.2		
M2		
Measured value	Average value	Extended uncertainty
6.3	5.8	1.5
5.2		
6.0		
M3		
Measured value	Average value	Extended uncertainty
4.4	4.4	1.2
4.4		
4.6		
M1 > M2 > M3	Final value M3	Limit value (according to Reg. UE 10/2011)
Yes	4.4 ± 1.2	10



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Palette in PA 66 – codice 15740000				
Food simulant: Rectified olive oil - Simulant D2				
Contact condition: 2 hours at 175°C repeated contact				
Measured unit: mg/dm ²				
M1				
Measured value	Average value	Average volatiles value (to be subtracted to average value if > 2)	Average value – Average volatile value	Extended uncertainty
82.7	78.4	111.3	<1	--
78.4				
74.2				
M2				
Measured value	Average value	Average volatiles value (to be subtracted to average value if > 2)	Average value – Average volatile value	Extended uncertainty
123.0	116.1	140.4	<1	--
111.1				
114.3				
M3				
Measured value	Average value	Average volatiles value (to be subtracted to average value if > 2)	Average value – Average volatile value	Extended uncertainty
127.6	127.0	147.5	<1	--
127.3				
126.2				
M1		M1≥ M3-M2		
< 1		Yes		
M2-M1		M2-M1 ≥ M3-M2		
< 1		Yes		
Final Value M3-M2		Limit value (according to Reg. UE 10/2011)		
< 1		10		



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2) SPECIFIC MIGRATION OF PRIMARY AROMATIC AMINES

Palette in PA 66 – codice 15740000		
Food simulant: Acetic acid in aqueous solution 3% w/v - simulant B		
Contact condition: 2 hours at 100°C		
Compound	mg/kg	LMS (mg/kg) (Reg. 10/2011)
2,4,5-Trimethylaniline (2,4,5 TMA CAS 137-17-7)	< 0.0004	0.010
2-Methoxy-5-methylaniline (2-M-5-MA CAS 120-71-8)	< 0.0004	0.010
2-Naphthylamine (2-ANP CAS 91-59-8)	< 0.0004	0.010
3,3'-Dimethylbenzidine (3,3 DMB CAS 119-93-7)	< 0.0004	0.010
4,4'-Diaminodiphenylether (4,4-DPE CAS 101-80-4)	< 0.0004	0.010
4,4'-Methylenebis[2-chloroaniline] (CL-MDA CAS 101-14-4)	< 0.0004	0.010
4,4'-Methylenedianiline (4,4 MDA CAS 101-77-9)	< 0.0004	0.010
4,4'-Methylenedi-o-toluidine (4,4 MDOT CAS 838-88-0)	< 0.0004	0.010
4,4'-Thioaniline (4,4-thioANL CAS 139-65-1)	< 0.0004	0.010
4-Aminobiphenyl (4-ABP CAS 92-67-1)	< 0.0004	0.010
4-chloro-Aniline (4-CA CAS 106-47-8)	< 0.0004	0.010
4-Chloro-o-toluidine (4-CoT CAS 95-69-2)	< 0.0004	0.010
5-Nitro-o-Toluidine (5-N-oT CAS 99-55-8)	< 0.0004	0.010
Benzidine (BNZ CAS 92-87-5)	< 0.0004	0.010
o-Anisidine (o-ASD CAS 90-04-0)	< 0.0004	0.010
o-Dianisidine (o-diASD CAS 119-90-4)	< 0.0004	0.010
o-Toluidine (o-TOL CAS 95-53-4)	< 0.0004	0.010
p-Aminoazobenzene (AAB CAS 60-09-3)	< 0.0004	0.010
Aniline (ANL CAS 62-53-3) (*)	< 0.0004	0.010
2,4/2,6-Toluenediamine (2,4-2,6-TDA CAS 823-40-5 CAS 95-80-7) (*)	< 0.0008	0.010



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3) SPECIFIC MIGRATION OF BA, CO, MN, ZN, CU, FE, LI, AL, NI (*)

Palette in PA 66 – codice 15740000			
Food simulant: Acetic acid in aqueous solution 3% w/v - simulant B			
Contact condition: 2 hour at 100°C repeated contact			
Measured unit: mg/kg			
Metals	Average value	Extended uncertainty	Limit value (According to Reg. EU 10/2011)
Ba	< 0.02	-	1
Co	< 0.02	-	0.05
Mn	< 0.02	-	0.6
Zn	< 1	-	5
Cu	< 1	-	5
Fe	< 1	-	48
Li	< 0.02	-	0.6
Al	< 0.5	-	1
Ni	< 0.01	-	0.02 ⁽⁴⁾

⁽⁴⁾ SML will become effective from May 19, 2019 according to Reg. UE N. 2017/752 (7° amendment of Reg. EU 10/2011)

Palette in PA 66 – codice 15740000			
Food simulant: Ethanol 50% v/v - simulant D1			
Contact condition: 2 hour at 100°C repeated contact			
Measured unit: mg/kg			
Metals	Average value	Extended uncertainty	Limit value (According to Reg. EU 10/2011)
Ba	< 0.02	-	1
Co	< 0.02	-	0.05
Mn	< 0.02	-	0.6
Zn	< 1	-	5
Cu	< 1	-	5
Fe	< 1	-	48

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LAB N°0606
Signature of EA, IAF and ILAC
Mutual Recognition Agreements





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CERTIFICAZIONE E TESTING

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Li	< 0.02	-	0.6
Al	< 0.5	-	1
Ni	< 0.01	-	0.02 ⁽⁴⁾

⁽⁴⁾ SML will become effective from May 19, 2019 according to Reg. UE N. 2017/752 (7° amendment of Reg. EU 10/2011)

Palette in PA 66 – codice 15740000			
Food simulant: Rectified olive oil – simulant D2			
Contact condition: 2 hour at 175°C repeated contact			
Measured unit: mg/kg			
Metals	Average value	Extended uncertainty	Limit value (According to Reg. EU 10/2011)
Ba	< 0.02	-	1
Co	< 0.02	-	0.05
Mn	< 0.02	-	0.6
Zn	< 1	-	5 ¹
Cu	< 1	-	5
Fe	< 1	-	48
Li	< 0.02	-	0.6
Al	< 0.5	-	1
Ni	< 0.01	-	0.02 ⁽⁴⁾

⁽⁴⁾ SML will become effective from May 19, 2019 according to Reg. UE N. 2017/752 (7° amendment of Reg. EU 10/2011)



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Data: 04/12/2018

Date:

4) COLOURING MIGRATION IN AQUEOUS SIMULANTS

Palette in PA 66 – codice 15740000		
Food simulant: Acetic acid in aqueous solution 3% w/v - simulant B		
Contact condition: 2 hour at 100°C repeated contact		
Optical path: 1 cm		
Measured unit: T%		
Measured value	Extended uncertainty ⁽¹⁾	Limit value (according to DM 21/03/73)
100.0	0.5	≥95

⁽¹⁾ for this variable, the third paragraph of the **DECLARATIONS** is not applicable

Palette in PA 66 – codice 15740000		
Food simulant: Ethanol 50% v/v - simulant D1		
Contact condition: 2 hour at 100°C repeated contact		
Optical path: 1 cm		
Measured unit: T%		
Measured value	Extended uncertainty ⁽¹⁾	Limit value (according to DM 21/03/73)
99.1	0.5	≥95

⁽¹⁾ for this variable, the third paragraph of the **DECLARATIONS** is not applicable

5) SPECIFIC MIGRATION OF HEXAMETHYLENEDIAMINE (CAS 000124-09-4 - REF. 18460) (*)

Palette in PA 66 – codice 15740000			
Food simulant: Ethanol 50% v/v - simulant D1			
Contact condition: 2 hour at 100°C repeated contact			
Measured unit: mg/kg			
Measured value	Average value	Extended uncertainty	LMS (according to Reg.10/2011)
< 1	< 1	--	2.4
< 1			



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Data: 04/12/2018

Date:

Palette in PA 66 – codice 15740000			
Food simulant: Acetic acid in aqueous solution 3% w/v - simulant B			
Contact condition: 2 hour at 100°C repeated contact			
Measured unit: mg/kg			
Measured value	Average value	Extended uncertainty	LMS (according to Reg.10/2011)
< 1	< 1	--	2.4
< 1			

Palette in PA 66 – codice 15740000			
Food simulant: Rectified olive oil - simulant D2			
Contact condition: 2 hour at 175°C repeated contact			
Measured unit: mg/kg			
Measured value	Average value	Extended uncertainty	LMS (according to Reg.10/2011)
< 1	< 1	--	2.4
< 1			

DATA
Date

Settore Food Packaging Materials
Food Packaging Materials Sector

B. U. Prodotto
B. U. Product

Alberto Taffurelli

Ing. P. Fumagalli

04/12/2018

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

DIVISIONE:
 DIVISION: **TESTING-CERTIFICAZIONE**

 LABORATORIO:
 LABORATORY: **Food Contact**
RAPPORTO DI PROVA
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N° 1431\FPM\FDC\18_3

 Data: 04/12/2018
 Date:

 IDENTIFICAZIONE E DESCRIZIONE DEL CAMPIONE:
 SPECIMEN DESCRIPTION:

Palette in PA 66 – codice 15740000

 DATI IDENTIFICATIVI DEL CLIENTE:
 CLIENT:

PIAZZA EFPEPI SRL
VIA PRIV.TA F.LLI CAIROLI 1
28887 CRUSINALLO DI OMEGNA (VB)

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 updating.
 UNI EN 1186 1+15:2003 (see the overall migration test description for the identification of the technical standard part)

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Sig. Michela

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N° 1431\FPM\FDC\18_3

Data: 04/12/2018
Date:

GENERALITIES

- Sample receiving date: 02/08/2018
- Analysis start date: 06/08/2018
- Analysis end date: 17/09/2018
- Deviation from test methods: NO

SAMPLE DESCRIPTION

Palette in PA 66 – codice 15740000

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) COLOURING MIGRATION IN FATTY SIMULANT

MI_789200555_2015_Rev.0

Determination of migration of the coloring agents from the tested material into liquids obtained from migration test by spectrophotometric analysis in the spectral range 400 - 750 nm, with 10 cm optical path cell for the aqueous simulant and 1 cm for the fatty simulant.

Limit minimum 95% transmittance (T%).



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Date:

RESULTS

1) COLOURING MIGRATION IN FATTY SIMULANT

Palette in PA 66 – codice 15740000		
Food simulant: Rectified olive oil - simulant D2		
Contact condition: 2 hour at 175°C repeated contact		
Optical path: 10 cm		
Measured unit: T%		
Measured value	Extended uncertainty ⁽¹⁾	Limit value (according to DM 21/03/73)
75.2	0.5	≥95

⁽¹⁾ for this variable, the third paragraph of the **DECLARATIONS** is not applicable

⁽²⁾ the value found may not be due to a colorant migration. Interfering compounds that lower transmittance values in the UV region (wavelengths less than 400 nm) may be present. The nature of these compounds cannot be determined by the analysis methods' used.

DATA
Date

Settore Food Packaging Materials
Food Packaging Materials Sector

B. U. Prodotto
B. U. Product

04/12/2018

Alberto Taffurelli

Ing. P. Fumagalli

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