FOOD CONTACT CENTER

LAB N° 1786 L

TEST REPORT N° FC200115.01 **Date: 12/05/2020**

Customer	HALOPOLYMER PERM JSC 98, LASVINSKAYA STR. 614042 PERM
Sample ID	Fluoroplast F-4
Sampling	by Customer
Arrival Date	20/04/2020
Start test date	24/04/2020
End test date	05/05/2020
PASS/FAIL	PASS according to Reg. UE 10/2011 and amen.

Food Contact Center s.r.l.
Sede operativa e laboratorio
Via E. Pestalozzi n.63 51100 Pistoia
Sede legale e Amministrativa:
Via Vecchia Provinciale Lucchese 19/E 51034
Serravalle Pistoiese (PT) Italy

FOOD CONTACT CENTER

LAB N° 1786 L

TEST REPORT N° FC200115.01 **Date: 12/05/2020**

Time: 10 days
Temperature: 60°C

PARAMETER	RESULT	UNCERTAINTY	U.M.	LOQ	LIM	METHOD	LAW REFERENCE	START DATE TEST	END DATE TEST
Overall migration in acetic acid 4% w/V by total immersion - first attack	2,1		mg/dm²	1	10	Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 All III + UNI EN 1186-3:2003 - solo met. A	L11	24/04/2020	05/05/2020
Overall migration in ethanol 10% by total immersion - first attack	4,4		mg/dm²	1	10	Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011 All III + UNI EN 1186-3:2003 - solo met. A	L11	24/04/2020	05/05/2020

Time: 10 days
Temperature: 60°C

PARAMETER	RESULT	UNCERTAINTY	U.M.	LOQ	LIM	METHOD	LAW REFERENCE	START DATE TEST	END DATE TEST
Overall migration in olive oil by total immersion - first attack	ND		mg/dm²	1	10	Reg UE 10/2011 14/01/2011 GU L12/1 15/01/2011 App. V ed emen. + UNI EN 1186-2:2003 (*)	L11	24/04/2020	05/05/2020

Time: 10 days
Temperature: 60°C

PARAMETER	RESULT	UNCERTAINTY	U.M.	LOQ	LIM	METHOD	LAW REFERENCE	START DATE TEST	END DATE TEST
Specific migration of colourings in acetic acid 4%w/v	100		%		>95	DM 21/03/1973 SO GU n°104 20/04/1973 All.4 sez.7 ed emen. (*)	L9	24/04/2020	04/05/2020
Specific migration of colourings in ethanol 10%v/v	100		%		>95	DM 21/03/1973 SO GU n°104 20/04/1973 All.4 sez.7 ed emen. (*)	L9	24/04/2020	04/05/2020
Specific migration of colourings in sunflower oil	100		%		>95	DM 21/03/1973 SO GU n°104 20/04/1973 All.4 sez.7 ed emen. (*)	L9	24/04/2020	04/05/2020

Time: 10 days
Temperature: 60°C

PARAMETER	RESULT	UNCERTAINTY	U.M.	LOQ	LIM	METHOD	LAW REFERENCE	START DATE TEST	END DATE TEST
Specific migration of primary aromatic amines in acetic acid 4% w/V	ND		mg/kg	0,01	0,01	UNI EN 13130-1:2005 + BVL LFGB §64 L 00.00-6:1995/Cor:2002	L11	24/04/2020	04/05/2020

Food Contact Center s.r.l.
Sede operativa e laboratorio
Via E. Pestalozzi n.63 51100 Pistoia
Sede legale e Amministrativa:
Via Vecchia Provinciale Lucchese 19/E 51034
Serravalle Pistoiese (PT) Italy

FOOD CONTACT CENTER

ACCREDIA L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 1786 L

TEST REPORT N° FC200115.01 **Date: 12/05/2020**

Time: 10 days
Temperature: 60°C

PARAMETER	RESULT	UNCERTAINTY	U.M.	LOQ	LIM	METHOD	LAW REFERENCE	START DATE TEST	END DATE TEST
Specific Migration of 9 metals according to Reg. UE 10/2011 Acetic Acid 4%									
Specific migration of aluminium in acetic acid 4%	0,07		mg/kg	0,01	1	Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011+ UNI EN 13130-1:2005+UNI EN ISO 11885:2009	L11	24/04/2020	05/05/2020
Specific migration of barium in acetic acid 4%	ND		mg/kg	0,01	1	Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011+ UNI EN 13130-1:2005+UNI EN ISO 11885:2009	L11	24/04/2020	05/05/2020
Specific migration of cobalt in acetic acid 4%	ND		mg/kg	0,01	0,05	Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011+ UNI EN 13130-1:2005+UNI EN ISO 11885:2009	L11	24/04/2020	05/05/2020
Specific migration of Iron in acetic acid 4%	ND		mg/kg	0,01	48	Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011+ UNI EN 13130-1:2005+UNI EN ISO 11885:2009	L11	24/04/2020	05/05/2020
Specific migration of lithium in acetic acid 4%	ND		mg/kg	0,01	0,6	Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011+ UNI EN 13130-1:2005+UNI EN ISO 11885:2009	L11	24/04/2020	05/05/2020
Specific migration of manganese in acetic acid 4%	ND		mg/kg	0,01	0,6	Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011+ UNI EN 13130-1:2005+UNI EN ISO 11885:2009	L11	24/04/2020	05/05/2020
Specific migration of nickel in acetic acid 4%	ND		mg/kg	0,01	1	Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011+ UNI EN 13130-1:2005+UNI EN ISO 11885:2009	L11	24/04/2020	05/05/2020
Specific migration of Copper in acetic acid 4%	ND		mg/kg	0,01	5	Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011+ UNI EN 13130-1:2005+UNI EN ISO 11885:2009	L11	24/04/2020	05/05/2020
Specific migration of Zinc in acetic acid 4%	ND		mg/kg	0,01	5	Reg UE 10/2011 14/01/2011 GU UE L12 15/01/2011+ UNI EN 13130-1:2005+UNI EN ISO 11885:2009	L11	24/04/2020	05/05/2020

Time: 3 days
Temperature: 20°C

PARAMETER	RESULT	UNCERTAINTY	U.M.	LOQ	LIM	METHOD	LAW REFERENCE	START DATE TEST	END DATE TEST
Specific migration of tetrafluoroethylene _CAS 116-14-3 in isoctane	ND		mg/kg	0,02	0,05	UNI EN 13130-1:2005 + MHTH026 rev.0 2017 (*)	L11	24/04/2020	27/04/2020

Time: 10 days
Temperature: 60°C

PARAMETER	RESULT	UNCERTAINTY	U.M.	LOQ	LIM	METHOD	LAW REFERENCE	START DATE TEST	END DATE TEST
Screening GC/MS of non-volatile substances on ethanol 95%	See Note 1		mg/kg	0,01		MHTH004 rev. 0 2016 (*)	L3	24/04/2020	05/05/2020

Food Contact Center s.r.l.
Sede operativa e laboratorio
Via E. Pestalozzi n.63 51100 Pistoia
Sede legale e Amministrativa:
Via Vecchia Provinciale Lucchese 19/E 51034
Serravalle Pistoiese (PT) Italy

FOOD CONTACT CENTER

ACCREDIA L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 1786 L

TEST REPORT N° FC200115.01 **Date: 12/05/2020**

PARAMETER	RESULT	UNCERTAINTY	U.M.	LOQ	LIM	METHOD	LAW REFERENCE	START DATE TEST	END DATE TEST
Evaluation of organoleptic inertia (flavour) - No packaging	See Note 2					MHTH010 rev.0 2016 deriv UNI 10192:2000 (*)	L3	28/04/2020	29/04/2020
Evaluation of organoleptic inertia (odour) - No packaging	See Note 2					MHTH010 rev.0 2016 deriv UNI 10192:2000 (*)	L3	28/04/2020	29/04/2020

LAW REFERENCE:

L3 Reg. CE 1935/2004
L9 DM 21/03/1973 SO GU n°104 20/04/1973 and amen.
L11 Reg UE 10/2011 and amen.

NOTE:

(*) Those test are not under the Accreditation scope of our Laboratory.

S/V : 0,6

Note1:The GC/MS screening did not show any occurrance of harmful substances for human health.

Note 2: Performed Condition: 24h, 40°C simulants used: water, milk, biscuits, white chocolate and butter; all scores equal to 0; there are no alterations and differences in smell and taste.

Food Contact Center s.r.l.
Sede operativa e laboratorio
Via E. Pestalozzi n.63 51100 Pistoia
Sede legale e Amministrativa:
Via Vecchia Provinciale Lucchese 19/E 51034
Serravalle Pistoiese (PT) Italy

FOOD CONTACT CENTER

LAB N° 1786 L

TEST REPORT N° FC200115.01 **Date: 12/05/2020**

The original test report is supplied in digital form, and digitally signed by the authorised responsible. This test report shall not be reproduced except in full, without written approval of the laboratory. Printed copy of the mentioned original digital test report has no legal value.

Chemical determinations: expanded uncertainty is referred to 95% confidence level. Coverage factor k=2.

The limit of determination (LOD) results as 1/10LOQ*3

N.D= less than LOQ (limit of quantification)

The reported results only refer to the tested sample.

u.m. = unit of measurement; unc = uncertainty;

RIS=Result; Lim=limit

S/V = surface/volume

Authorized by

associazione italiana business operator 2020 n° 35 Marinella Vitulli food contact expert

ORDINE DEI CHIMICI - Dr. MARIA F.A. VITULLI 1814 CHIMICO - TOSCANA

Technical Manager

END OF THE REPORT

Food Contact Center s.r.l.
Sede operativa e laboratorio
Via E. Pestalozzi n.63 51100 Pistoia
Sede legale e Amministrativa:
Via Vecchia Provinciale Lucchese 19/E 51034
Serravalle Pistoiese (PT) Italy