

# CAMBRO®

**Presswerk Köngen GmbH**

A Subsidiary of Cambro Mfg. Co.

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## FOOD CONTACT DECLARATION

1. With this document we declare that product **EPP Line** (expanded Polypropylene) sold

### Complies with

the following CE Regulations:

- Law 1935/2004/CE
- Law 1895/2005/CE
- Directive 2002/72/CE and following updating
- Directive 10/2011/CE and following updating.

2. Item above is produced with:

RAW MATERIAL	%	VENDOR/IMPORT	POINT 5	POINT 6	POINT 7
			European regulations 2011/10/CE		

Polypropylene	100	KANEKA- Belgium			Migration results cannot be corrected by the Fat Consumption Reduction Factor

3. We declare that this material does not contain unsuitable chemicals, as requested in European Regulations 2011/10/CE – Annex II – Section 1, 2 – and in all others regulations above, and it keeps migrations test limits to the following conditions:

**Annex: Test report Nr. 15P14080-In-0 NEOTRON spa.**

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4. This declaration is edited in comply with Regulations above and design to CUSTOMER
5. Industrial or commercial use of this material does not exclude any other conformity check to capably laws in force and to its technological ability of its final use.
6. This declaration is valid from date below and it will be replaced in case of any substantial changes in item materials or when Regulations mentioned will be changed or updated.
7. Code/Declaration Number: EPP products line (expanded Polypropylene) 1/ 2015

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Date 23.December 2015

Sign: ppa Pietro Brattoli

Title: European Business Development Manager  
And technology Director

CUSTOMER  
**PRESSWERK KONGEN GmbH**  
**Kelter Strasse 49-51**  
**72669 Unterensingen GERMANIA**

Modena (Italy), li 21/12/2015

Analysis beginning date  
19/10/2015

## TEST REPORT nr. 15P14080-In-0

SAMPLE 15P14080

Description provided by Customer: LS EPP DECKEL - SAMPLE ARRIVED ON 19/10/2015 - THE SAMPLE HAS BEEN TAKEN BY THE CUSTOMER. THE TRANSPORT HAS BEEN MADE BY CARRIER.  
Sample Condition on Receipt: Room temperature

ANALYSIS DESCRIPTION	RESULT	U	REC. %	UNIT OF MEASURE	LQ	LD	METHOD	ANALYSES ENDING DATE
<b>SPECIFIC MIGRATION OF AROMATIC AMINES IN ACETIC ACID 3% - COLORIMETRIC METHOD</b> - Contact conditions - Test conditions - Surface/volume ratio test Migration of primary aromatic amines (expressed as aniline) in acetic acid 3%	Immersion 100°C - 2 h 0,7 < LQ			cm2/cm3 mg/kg	0,005		* - * - * - 09(S165) 2013 Rev.1 - UV-VIS	15/12/2015 15/12/2015 15/12/2015 14/12/2015
<b>SPECIFIC MIGRATION OF HEAVY METALS IN VEGETABLE OIL</b> - Contact conditions - Test conditions	Immersion The migration test was performed under these conditions: contact time: t= 6 h contact temperature: T= 121°C Migration was carried out on test liquid from the third migration and the results of specific migration are referred to the amount of simulant used in the test.			cm2/cm3 mg/kg	0,005		* - * -	15/12/2015 15/12/2015
- Surface/volume ratio test Specific migration of Barium in vegetable oil - LAW LIMIT 1	0,7 < LQ			mg/kg	0,005		05(ICP-MS) 2012 Rev.1	15/12/2015 14/12/2015
Specific migration of Cobalt in vegetable oil - LAW LIMIT 0,05	< LQ			mg/kg	0,005		05(ICP-MS) 2012 Rev.1	14/12/2015
Specific migration of Iron in vegetable oil - LAW LIMIT 48	< LQ			mg/kg	0,050		05(ICP-MS) 2012 Rev.1	14/12/2015
Specific migration of Lithium in vegetable oil - LAW LIMIT 0,6	< LQ			mg/kg	0,005		05(ICP-MS) 2012 Rev.1	14/12/2015
Specific migration of Manganese in vegetable oil - LAW LIMIT 0,6	0,016			mg/kg	0,010		05(ICP-MS) 2012 Rev.1	14/12/2015
Specific migration of Copper in vegetable oil - LAW LIMIT 5	< LQ			mg/kg	0,050		05(ICP-MS) 2012 Rev.1	14/12/2015
Specific migration of Zinc in vegetable oil - LAW LIMIT 25	< LQ			mg/kg	0,100		05(ICP-MS) 2012 Rev.1	14/12/2015
<b>Specific Migration Metals in Acetic Acid 3%</b> - Contact conditions - Test conditions	Immersion The migration test was performed under these conditions: contact time: t= 24 h contact temperature: T= 100°C Migration was carried out on test liquid from the third migration and the results of specific migration are referred to the amount of simulant used in the test.			cm2/cm3 mg/kg	0,005		* - * -	15/12/2015 15/12/2015
- Surface/volume ratio test Specific migration of Barium in acetic acid (SIM B) - LAW LIMIT 1	0,7 0,026			mg/kg	0,005		* - 05(ICP-MS) 2012 Rev.1	15/12/2015 14/12/2015

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GMP Pharmaceutical Laboratories Authorized by AIFA Italian Medicine Agency n° aM- 55/2015.  
Laboratorio Qualificato D.M. 26-2-87 Art. 4 - Legge 46/82 per la Ricerca Applicata e Innovazione Tecn  
Regione Emilia Romagna - AUTORIZZAZIONE Autocontrollo N° 008/MO/008  
BNN-Monitoring Fruit and Vegetables Approved Laboratory  
I-Monitoring EDEKA AG Fruit and Vegetables Registered Laboratory





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SAMPLE 15P14080

ANALYSIS DESCRIPTION	RESULT	U	REC. %	UNIT OF MEASURE	LQ	LD	METHOD	ANALYSES ENDING DATE
Specific migration of Cobalt in acetic acid 3% (SIM B) - LAW LIMIT 0,05	< LQ			mg/kg	0,005		05(ICP-MS) 2012 Rev.1	14/12/2015
Specific migration of Iron in acetic acid 3% (SIM B) - LAW LIMIT 48	0,012			mg/kg	0,005		05(ICP-MS) 2012 Rev.1	14/12/2015
Specific migration of lithium in acetic acid 3% (SIM B) - LAW LIMIT 0,6	0,009			mg/kg	0,005		05(ICP-MS) 2012 Rev.1	14/12/2015
Specific migration of Manganese in acetic acid 3% (SIM B) - LAW LIMIT 0,6	< LQ			mg/kg	0,005		05(ICP-MS) 2012 Rev.1	14/12/2015
Specific migration of Copper in acetic acid 3% (SIM B) - LAW LIMIT 5	< LQ			mg/kg	0,005		05(ICP-MS) 2012 Rev.1	14/12/2015
Specific migration of Zinc in acetic acid 3% (SIM B) - LAW LIMIT 25	0,048			mg/kg	0,010		05(ICP-MS) 2012 Rev.1	14/12/2015
Specific migration of Mercury in acetic acid at 3% (SIM B)	< LQ			mg/kg	0,005		05(ICP-MS) 2012 Rev.1	14/12/2015
<b>Specific migration of metals in Ethanol</b> - Contact conditions - Test conditions	<b>Immersion</b> The migration test was performed under these conditions: contact time: t= 24 h contact temperature: T= 100°C						* - * -	15/12/2015 15/12/2015
- Surface/volume ratio test	0,7			cm2/cm3			*	15/12/2015
Specific migration of Barium in ethanol 10% - LAW LIMIT 1	< LQ			mg/kg	0,005		05(ICP-MS) 2012 Rev.1	14/12/2015
Specific migration of Cobalt in ethanol 10% - LAW LIMIT 0,05	< LQ			mg/kg	0,005		05(ICP-MS) 2012 Rev.1	14/12/2015
Specific Migration of Iron in ethanol 10% - LAW LIMIT 48	< LQ			mg/kg	0,005		05(ICP-MS) 2012 Rev.1	14/12/2015
Specific migration of Lithium in ethanol 10% - LAW LIMIT 0,6	< LQ			mg/kg	0,005		05(ICP-MS) 2012 Rev.1	14/12/2015
Specific migration of Manganese in ethanol 10% - LAW LIMIT 0,6	< LQ			mg/kg	0,005		05(ICP-MS) 2012 Rev.1	14/12/2015
Specific migration of Copper in ethanol 10% - LAW LIMIT 5	< LQ			mg/kg	0,005		05(ICP-MS) 2012 Rev.1	14/12/2015
Specific migration of Zinc in ethanol 10% - LAW LIMIT 25	< LQ			mg/kg	0,005		05(ICP-MS) 2012 Rev.1	14/12/2015
<b>MIGRATION TESTS IN POLY(2,6-DIPHENYL-P-PHENYLENE OXIDE)</b> - Contact conditions - Test conditions	<b>Immersion</b> The migration test was performed under these conditions: contact time: t= 1 h contact temperature: T= 121°C						* - * -	15/12/2015 15/12/2015
- Surface/volume ratio test	0,7			cm2/cm3			*	15/12/2015

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## TEST REPORT nr. 15P14080-In-0

SAMPLE 15P14080

ANALYSIS DESCRIPTION	RESULT	U	REC. %	UNIT OF MEASURE	LQ	LD	METHOD	ANALYSES ENDING DATE
Overall migration in poly(2,6-diphenyl-p-phenylene oxide) - Test 1	< LQ			mg/dm2	3,0		* PACK	15/12/2015
Overall migration in poly(2,6-diphenyl-p-phenylene oxide) - Test 2	< LQ			mg/dm2	3,0		* PACK	15/12/2015
Overall migration in poly(2,6-diphenyl-p-phenylene oxide) - Test 3	< LQ			mg/dm2	3,0		* PACK	15/12/2015
Average value of overall migration in poly(2,6-diphenyl-p-phenylene oxide) - LAW LIMIT 10	< LQ			mg/dm2	3,0		* PACK	15/12/2015
<b>Migration tests in Acetic Acid 3% for objects/materials for repeated use</b>								
- Contact conditions	Immersion						* -	15/12/2015
- Test conditions	The migration test was performed under these conditions: contact time: t= 2 h contact temperature: T= 100°C						* -	15/12/2015
- Surface/volume ratio test	Migration was carried out on test liquid from the third migration.			cm2/cm3			* -	15/12/2015
Overall migration test 1 [MP]	0,7			mg/dm2	1,0		[MP]	15/12/2015
Overall migration test 2 [MP]	< LQ			mg/dm2	1,0		[MP]	15/12/2015
Overall migration test 3 [MP]	< LQ			mg/dm2	1,0		[MP]	15/12/2015
Average value of overall migration in 3% acetic acid [MP] - LAW LIMIT 10	< LQ			mg/dm2	1,0		[MP]	15/12/2015
<b>Migration tests in Ethylic Alcohol 10% for objects/materials for repeated use</b>								
- Contact conditions	Immersion						* -	15/12/2015
- Test conditions	The migration test was performed under these conditions: contact time: t= 2 h contact temperature: T= 100°C						* -	15/12/2015
- Surface/volume ratio test	Migration was carried out on test liquid from the third migration.			cm2/cm3			* -	15/12/2015
Overall migration test 1 [MP]	0,7			mg/dm2	1,0		[MP]	15/12/2015
Overall migration test 2 [MP]	< LQ			mg/dm2	1,0		[MP]	15/12/2015
Overall migration test 3 [MP]	1,2			mg/dm2	1,0		[MP]	15/12/2015
Average value of overall migration in 10% ethanol [MP] - LAW LIMIT 10	2,0			mg/dm2	1,0		[MP]	15/12/2015
	1,4	± 0,3		mg/dm2	1,0		[MP]	15/12/2015
<b>Migration tests in Ethylic Alcohol 95% for objects/materials for repeated use</b>								
- Contact conditions	Immersion						* -	15/12/2015
- Test conditions	The migration test was performed under these conditions: contact time: t= 4 h contact temperature: T= 60°C						* -	15/12/2015
- Surface/volume ratio test	Migration was carried out on test liquid from the third migration.			cm2/cm3			* -	15/12/2015
Overall migration test 1 [MP]	0,7			mg/dm2	1,0		[MP]	15/12/2015
Overall migration test 2 [MP]	1,0			mg/dm2	1,0		[MP]	15/12/2015
Overall migration test 3 [MP]	< LQ			mg/dm2	1,0		[MP]	15/12/2015
	< LQ			mg/dm2	1,0		[MP]	15/12/2015

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## TEST REPORT nr. 15P14080-In-0

SAMPLE 15P14080

ANALYSIS DESCRIPTION	RESULT	U	REC. %	UNIT OF MEASURE	LQ	LD	METHOD	ANALYSES ENDING DATE
Average value of overall migration in 95% ethanol [MP] - LAW LIMIT 10	1,0	± 0,2		mg/dm2	1,0		[MP]	15/12/2015
<b>Migration tests in Iso-octane for objects/materials for repeated use</b>								
- Contact conditions	Immersion						*	15/12/2015
- Test conditions	The migration test was performed under these conditions: contact time: $t \leq 2$ h contact temperature: $T = 60^\circ\text{C}$						*	15/12/2015
- Surface/volume ratio test	Migration was carried out on test liquid from the third migration.			cm2/cm3			*	15/12/2015
Overall migration test 1 [MP]	0,7			mg/dm2	1,0		[MP]	15/12/2015
Overall migration test 2 [MP]	1,2			mg/dm2	1,0		[MP]	15/12/2015
Overall migration test 3 [MP]	1,1			mg/dm2	1,0		[MP]	15/12/2015
Average value of overall migration in Iso-octane [MP] - LAW LIMIT 10	1,1	± 0,2		mg/dm2	1,0		[MP]	15/12/2015

END TEST REPORT

The original document is a PDF file with Digital Signature: 15P14080-In-0-DigitalSignature.pdf

### Notes and method reference:

< LQ: = lower than Quantification Limit. Please note that results expressed as '<LQ' may not indicate the absence of the searched parameters in the sample. The reported law limits are referred to Reg. EU N° 10/2011 and following updatings.

U: the reported uncertainty is the expanded uncertainty calculated using a coverage factor equal to 2 which gives a reliability of approximately 95%. For microbiological detections it is reported either the lower and the upper bounds of the confidence interval with a probability of 95%  $K=2$  or the confidence interval itself.

Results coming from microbiological tests are calculated according to the Standard ISO 7218:2007/Amd 1:2013. If the results are reported as <4 (CFU/ml) or <40 (CFU/g), this means that the microorganisms are present in the sample but in amounts less than 4 CFU/ml or 40 CFU/g respectively.

LQ: Quantification Limit. It is the lowest analyte concentration which can be detected at an acceptable precision (repeatability) and accuracy, under well defined conditions.

LD: Detection Limit. It is the lowest analyte concentration which can be detected but not necessarily quantified, under well defined conditions.

Conformity evaluation: values not complying with laws, decrees, national and EU regulations or specifications supplied by the customer are evaluated case by case, also taking into consideration the uncertainty of measure for each single test and the regulations on rounding-off of values, and pointed out when considered as "non conform".

Rec %: Recovery % "+" means that the recovery has been applied to the result. The numeric results between brackets (..) after the expression <LQ are purely indicative of traces that cannot be exactly quantified.

Methods marked with an asterisk (\*) are not accredited by ACCREDIA (UNI CEI EN ISO/IEC 17025)

### NOTES OF PARAMETERS:

[MP]: Metodo: DM21/03/1973 GUn°104 20/04/1973; DMn°220 26/04/1993 GUn°162 13/07/1993; DMn°735 28/10/1994 Gn°1 02/01/1995; DMn°338 22/07/1998 GUn°228 30/09/1998; DM n° 123 28/03/2003 GU n° 125 31/05/2003; DM n° 299 22/12/2005 GU n° 37 14/02/2006; DMn°174 24/09/2008 GUn°261 07/11/2008; RegUE n°10/2011 GUUE L12 15/01/2011; UNI EN 1186:2003 (ad esclusione delle parti 10, 11, 15).

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**SAMPLE 15P14080**

TEST REPORT VALID FOR ALL LEGAL PURPOSES (Italian R.D. 1-3-1928 n°842 (article 16), - Italian Law 19-7-1957 n°679 articles 16 and 18, Italian Ministerial Decree 25-3-1986).  
Test Report issued according to the 17025:2005 Standard

DATA and SAMPLE STORAGE: Raw data, chromatographic paths and instrumental reports are stored for 5 years. One control sample is stored for 2 months.

Data expressed in this test report refer only to the sample tested in the laboratory. The description or any other reference concerning the sample are declared by the customer. This Test Report cannot be reproduced except in full. Partial reproductions must be authorized in writing by our laboratory.

LABORATORY MANAGER: DR. GIAN CARLO GATTI - MEMBER OF AOAC N. VM 90231001 - EURCHEM

Approved by Analysis Manager - laboratory PCK

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