

Modena (Italy), li 22/02/2012

Analysis beginning date
28/12/2011

CUSTOMER
TECHNOCAN S.A.
25th km National Road Athens-Korinth
19600 MANDRA ATTIKI GRECIA

TEST REPORT nr. 11T12924-In-0

SAMPLE 11T12924

Description provided by Customer: Empty tinplate can for olive oil packaging/Code:002
Outside: Lithographed - Inside: Gold Varnish (epoxyphenolic based)
Extranet request n° N0002/11 del 20/12/2011 10.25.37. - Sample arrived on the 28/12/2011. - Sampling by: Customer. Transport by: Courier
Sample Condition on Receipt: Room temperature

ANALYSIS DESCRIPTION	RESULT	U	REC. %	UNIT OF MEASURE	LQ	LD	METHOD	ANALYTICAL TECHNIQUE	ANALYSES ENDING DATE	
MIGRATION TESTS IN FATTY SIMULANT Test conditions	The migration test was carried out by putting the food contact side in contact with the simulant under these conditions: contact time: t= 10 days contact temperature: T= 40°C						DM 21/03/1973GUn°104 20/04/1973;DMn°220 26/04/1993GUn°162 13/07/1993;DMn°735 28/10/1994GUn°1 02/01/1995;DMn°338 22/07/1998GUn°228 30/09/1998;DM n°123 28/03/2003 GU n°125 31/05/2003;DMn°299 22/12/2005GUn°37 14/02/2006;DMn°174 24/09/2008GUn°261 07/11/2008			08/02/2012
- Surface/volume ratio Overall migration in rectified olive oil (SIM D) - LAW LIMIT 10	0,48 / 0,05 < LQ			dm2 / dm3 mg/dm2		3,0	* DM 73 * DM 73		08/02/2012 08/02/2012	
MIGRATION TESTS IN FATTY SIMULANT Test conditions	The migration test was carried out filling the sample with the simulant under these conditions: contact time: t= 10 days contact temperature: T= 40°C						DM 21/03/1973GUn°104 20/04/1973;DMn°220 26/04/1993GUn°162 13/07/1993;DMn°735 28/10/1994GUn°1 02/01/1995;DMn°338 22/07/1998GUn°228 30/09/1998;DM n°123 28/03/2003 GU n°125 31/05/2003;DMn°299 22/12/2005GUn°37 14/02/2006;DMn°174 24/09/2008GUn°261 07/11/2008			08/02/2012
- Surface/volume ratio Specific Migration of Bisphenol A in rectified olive oil (simulant D)	3,6 / 0,5 < LQ			dm2 / dm3 mg/kg		0,020	* DM 73 09(S159) 2009 Rev. 0		08/02/2012 16/02/2012	
SPECIFIC MIGRATION OF BADGE, BFDGE AND DERIVATIVES in rectified olive oil (Simulant D)										
Specific migration of BFDGE (NOGE -2 ring) in rectified olive oil (SIM D)	< LQ			mg/kg		0,020	09(S162) 2009 Rev. 0		20/02/2012	
Specific migration of BFDGE.2H2O in rectified olive oil (SIM D)	< LQ			mg/kg		0,020	09(S162) 2009 Rev. 0		20/02/2012	
Specific migration of BFDGE.2HCl in rectified olive oil (SIM D)	< LQ			mg/kg		0,020	09(S162) 2009 Rev. 0		20/02/2012	
Specific migration of BADGE in rectified olive oil (simulant D)	< LQ			mg/kg		0,020	09(S162) 2009 Rev. 0		20/02/2012	
Specific migration of BADGE.2H2O in rectified olive oil (simulant D)	< LQ			mg/kg		0,020	09(S162) 2009 Rev. 0		20/02/2012	
Specific migration of BADGE.2HCl in rectified olive oil (simulant D)	< LQ			mg/kg		0,020	09(S162) 2009 Rev. 0		20/02/2012	
Specific migration of BADGE.H2O in rectified olive oil (simulant D)	< LQ			mg/kg		0,020	09(S162) 2009 Rev. 0		20/02/2012	
Specific migration of BADGE.HCl in rectified olive oil (simulant D)	< LQ			mg/kg		0,020	09(S162) 2009 Rev. 0		20/02/2012	

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Laboratorio Qualificato D.M. 26-2-87 Art. 4 - Legge 46/82 per la Ricerca Applicata e Innovazione Tecnologica.
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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ANALYSIS DESCRIPTION	RESULT	U	REC. %	UNIT OF MEASURE	LQ	LD	METHOD	ANALYTICAL TECHNIQUE	ANALYSES ENDING DATE
Specific migration of BADGE.HCL.H2O in rectified olive oil (simulant D)	< LQ			mg/kg	0,020		09(S162) 2009 Rev. 0		20/02/2012
Specific migration of NOGE(3-4-5 ring) in rectified olive oil	< LQ			mg/kg	0,10		* I MIG-Olio-BADGE	LC-MS/MS	20/02/2012
MICROBIOLOGY - MOULDS and YEASTS									
Yeasts	< LQ			UFC/pezzo	1		* OGYL		03/01/2012
Moulds	<4			UFC/pezzo	1		* OGYM		03/01/2012
MICROBIOLOGICAL RESEARCH									
Aerobic total count in P.C.A. at 30°C for 72 h	7	± 5		UFC/pezzo	1		* PCA	inclusione	03/01/2012

END TEST REPORT

The original document is a PDF file with Digital Signature: 11T12924-In-0-DigitalSignature.pdf

Opinions and Interpretations - Not included in ACCREDIA accreditation.

NOTE:

Legislative references: D.M. (Ministry Decree) 21-03-73 and following updating - D.M. (Ministry Decree) 220 of 26-04-93 and following updating - Regulation UE n.10/2011 and following updating.

Notes:

< LQ: = lower than Quantification Limit. Please note that results expressed as '<LQ' may not indicate the absence of the searched parameters in the sample.
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. 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.

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.

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Approved by Analysis Manager - laboratory LMIA

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Approved by Analysis Manager - laboratory PCK

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