

TEST REPORT N. 12/000327805

date of issue 03/10/2012

Customer ID 0053426

Messrs
LUKS PLASTIK INSAAT SANAYI
VE TICARET LIMITED SIRKETI
ITOC 12.ADA NO:77-79
MAHMUTBEY
. ISTANBUL
Turchia

Sample information

Acceptance number 12.074407.0001

Delivered by TNT Traco on 17/09/2012

Receiving Date 17/09/2012

Place of origin LUKS PLASTIK INSAAT SANAYI VE TICARET LIMITED SIRKETI ITOC 12.ADA NO:77-79
MAHMUTBEY . ISTANBUL Turchia

Sample Description PP KITCHENWARE

Sampling information

Sampled by Customer

ANALYTICAL RESULTS

	Value/Uncertain	Unit of measure	Reference values	References	LoQ	LoD	Start/end date of analysis	Op. units	Row
ON SAMPLE AS IT IS									
MIGRATION IN DISTILLED WATER							19/09/2012- -26/09/2012	01	2
Met.: UNI EN 1186:2003									
CONDITIONS OF CONTACT								01	3
Ratio surface area/volume	1,0								4
Type of contact	Total immersion (part 3)								5
Time	2,0	hours							6
Temperature	70	°C							7
OVERALL MIGRATION							18/09/2012- -26/09/2012	01	8
Met.: UNI EN 1186:2003									
Overall migration 1st test	< LoQ	mg/dm ²			1				9
Overall migration 2nd test	< LoQ	mg/dm ²			1				10
Overall migration 3rd test	< LoQ	mg/dm ²			1				11
Medium overall migration	< LoQ	mg/dm ²	<=10	Reg UE 10/11 (h)	1				12
ON SAMPLE AS IT IS									
MIGRATION IN AQUEOUS SOLUTION OF ACETIC ACID							19/09/2012- -26/09/2012	01	14
Met.: UNI EN 1186:2003									
CONDITIONS OF CONTACT								01	15
Ratio surface area/volume	1,0								16
Type of contact	Total immersion (part 3)								17
Time	2,0	hours							18
Temperature	70	°C							19
Concentration	3,00	% w/v							20
OVERALL MIGRATION							18/09/2012- -26/09/2012	01	21
Met.: UNI EN 1186:2003									
Overall migration 1st test	1,2	mg/dm ²			1				22
Overall migration 2nd test	1,3	mg/dm ²			1				23
Overall migration 3rd test	1,4	mg/dm ²			1				24
Medium overall migration	1,3±0,7	mg/dm ²	<=10	Reg UE 10/11 (h)	1				25
IN ACETIC ACID SIMULANT - MIGRATION									
Met.: UNI EN 1186:2003								01	26
MIGRATION OF COLORANTS (MINIMUM TRANSMITTANCE)	99,9	%	>=95	DM21/03/73(p)	1		19/09/2012- -26/09/2012	01	27*
Met.: DM 21/03/73 ALL IV SEZ VII									
PRIMARY AROMATIC AMINES	n.d.	mg/kg	not detectable	Reg UE 10/11 (s)	0.005	0.002	19/09/2012- -02/10/2012	01	28
Met.: LMBG § 35 L 00.00-6 1:1995/COR:2002									
ON SAMPLE AS IT IS									
MIGRATION IN AQUEOUS SOLUTION OF ETHANOL							19/09/2012- -26/09/2012	01	30
Met.: UNI EN 1186:2003									
CONDITIONS OF CONTACT								01	31
Ratio surface area/volume	1,0								32
Type of contact	Total immersion (part 3)								33
Time	2,0	hours							34
Temperature	70	°C							35
Concentration	50,0	% v/v							36

ANALYTICAL RESULTS

	Value/Uncertain	Unit of measure	Reference values	References	LoQ	LoD	Start/end date of analysis	Op. units	Row
OVERALL MIGRATION									
Met.: UNI EN 1186:2003							18/09/2012- -26/09/2012	01	37
Overall migration 1st test	< LoQ	mg/dm ²			1				38
Overall migration 2nd test	< LoQ	mg/dm ²			1				39
Overall migration 3rd test	< LoQ	mg/dm ²			1				40
Medium overall migration	< LoQ	mg/dm ²	<=10	Reg UE 10/11 (h)	1				41
ON SAMPLE AS IT IS									
MIGRATION IN DISTILLED WATER									
Met.: UNI EN 1186:2003							19/09/2012- -03/10/2012	01	43
CONDITIONS OF CONTACT									
Ratio surface area/volume	1,0							01	44
Type of contact	Total immersion (part 3)								45
Time	10	d (days)							46
Temperature	40	°C							47
OVERALL MIGRATION									
Met.: UNI EN 1186:2003							18/09/2012- -03/10/2012	01	49
Overall migration 1st test	4,4	mg/dm ²			1				50
Overall migration 2nd test	4,0	mg/dm ²			1				51
Overall migration 3rd test	3,5	mg/dm ²			1				52
Medium overall migration	4,0±1,0	mg/dm ²	<=10	Reg UE 10/11 (h)	1				53
ON SAMPLE AS IT IS									
MIGRATION IN AQUEOUS SOLUTION OF ACETIC ACID									
Met.: UNI EN 1186:2003							19/09/2012- -02/10/2012	01	55
CONDITIONS OF CONTACT									
Ratio surface area/volume	1,0							01	56
Type of contact	Total immersion (part 3)								57
Time	10	d (days)							58
Temperature	40	°C							59
Concentration	3,00	% w/v							60
OVERALL MIGRATION									
Met.: UNI EN 1186:2003							18/09/2012- -02/10/2012	01	62
Overall migration 1st test	< LoQ	mg/dm ²			1				63
Overall migration 2nd test	< LoQ	mg/dm ²			1				64
Overall migration 3rd test	< LoQ	mg/dm ²			1				65
Medium overall migration	< LoQ	mg/dm ²	<=10	Reg UE 10/11 (h)	1				66
IN ACETIC ACID SIMULANT - MIGRATION									
Met.: UNI EN 1186:2003								01	67
MIGRATION OF COLORANTS (MINIMUM TRANSMITTANCE)	99,5	%	>=95	DM21/03/73(p)	1		19/09/2012- -02/10/2012	01	68*
Met.: DM 21/03/73 ALL IV SEZ VII									
PRIMARY AROMATIC AMINES	n.d.	mg/kg	not detectable	Reg UE 10/11 (s)	0.005	0.002	19/09/2012- -02/10/2012	01	69
Met.: LMBG § 35 L.00.00-6 1:1995/COR:2002									
ON SAMPLE AS IT IS									
MIGRATION IN AQUEOUS SOLUTION OF ETHANOL									
Met.: UNI EN 1186:2003							19/09/2012- -02/10/2012	01	71
CONDITIONS OF CONTACT									
								01	72

ANALYTICAL RESULTS

	Value/Uncertain	Unit of measure	Reference values	References	LoQ	LoD	Start/end date of analysis	Op. units	Row
Ratio surface area/volume	1,0								73
Type of contact	Total								74
	immersion								
	(part 3)								
Time	10,00	days							75
Temperature	40	°C							76
Concentration	50,0	% v/v							77
OVERALL MIGRATION							18/09/2012-	01	78
Met.: UNI EN 1186:2003							-02/10/2012		
Overall migration 1st test	< LoQ	mg/dm ²			1				79
Overall migration 2nd test	< LoQ	mg/dm ²			1				80
Overall migration 3rd test	1,6	mg/dm ²			1				81
Medium overall migration	< LoQ	mg/dm ²	<=10	Reg UE 10/11 (h)	1				82
ON SAMPLE AS IT IS									
83									
MIGRATION IN OIL							19/09/2012-	01	84
Met.: UNI EN 1186:2003							-03/10/2012		
CONDITIONS OF CONTACT								01	85
Ratio surface area/volume	1,0								86
Type of contact	Total								87
	immersion								
	(part 2)								
Time	10,00	days							88
Temperature	40	°C							89
OVERALL MIGRATION							18/09/2012-	01	90
Met.: UNI EN 1186:2003							-03/10/2012		
Overall migration 1st test	2,6	mg/dm ²			1				91
Overall migration 2nd test	3,3	mg/dm ²			1				92
Overall migration 3rd test	2,2	mg/dm ²			1				93
Medium overall migration	2,7±0,9	mg/dm ²	<=10	Reg UE 10/11 (h)	1				94

Supplement information

Row (12), (25), (41), (53), (66), (82), (94) - Reference: Reg UE 10/11 (h) = COMMISSION REGULATION (EU) No 10/2011 of 14 January 2011 G.U.U.E. n° L12 of 15 January 2011 - on plastic materials and articles intended to come into contact with food. Art 12 - Overall migration limit. According to UNI EN 1186-1:2003 point 12.3 the following analytical tolerances are admitted: 20 mg/kg or 3 mg/dm² in migration tests using rectified olive oil or its substitutes, 6 mg/kg or 1 mg/dm² in migration tests using all aqueous food simulants.

Row (27), (68) - Reference: DM21/03/73(p) = DM 21 March 1973 - SO GU n° 104 of 20 April 1973 - All IV sez VII (Rivelazione della migrazione di coloranti)

Row (27), (68) - Method: DM 21/03/73 ALL IV SEZ VII = DM 21/03/1973 SO GU N°104 20/04/1973 ALL IV SEZ VII

Row (28), (69) - Reference: Reg UE 10/11 (s) = Regulation EU n° 10 of 14 January 2011 - European Union Official Gazette n° L12 of 15 January 2011 - on plastic materials and articles intended to come into contact with food. Annex II point 2. The reference establishes that the substance shall not migrate in detectable quantities (ND) applying a detection limit of substance 0,01 mg per kg food.

Operative units

Unit 01 : Via Fratta Resana (TV)

Opinions and interpretations - not subject to ACCREDIA certification

Row (12,25,27,28,41,53,66,68,69,82,94): the analytical results are IN ACCORDANCE with the indicated references.

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LAB N° 0051

The suitability of the sample for food contact is subordinated to the evaluation of the test results performed for this aim. Therefore, it is possible to retain that the material, on tested conditions, is suitable to come into contact with the simulant liquids of foodstuffs which results of overall and specific migrations have resulted in accordance with the limits. It is pointed out that food suitability has to be considered as valid provided that the used monomers, additives and technological adjuvants are admitted by the legislation in force, the possible overall and specific migrations limits are respected as well as the requisites established by the regulations EC 1935/2004 and EC 2023/2006.

Responsabile prove chimiche
Dott. Italo Commissati Chimico Ordine dei chimici - Provincia di treviso Iscrizione n. 221

Direttore laboratorio
Dott. Tiziano Conte Chimico Ordine dei chimici - Provincia di treviso Iscrizione n. 148

- The line marked by a star (*) is not accredited by Accredia, member of MLA. - If not otherwise specified, the uncertainty is extended and has been calculated with a recovery factor $k=2$ corresponding to a probability interval of about 95%. - LoD is the detection limit and identifies a confidence interval of zero with a probability interval of about 99%. - LoQ is the limit of quantification. "n.d" is not detected and indicates a value inferior to the LoD. "traces (X)" means a value between LoD and LoQ, this value is indicative. "<x" or ">x" indicate inferior or superior to the measurement field of the test. - If not differently specified, the sums are calculated by lower bound criteria (L.B.). - Registration with the number 7 of the Regional List of the laboratories of the Regione Veneto which perform analyses as regards the procedures for the food safety in food industries, as reported in Annex A of DDR n°73 of 16th January 2008 - Values in bold type are not in accordance with law or specifications. - If not differently specified the opinions and interpretations eventually reported are referred to analysed parameters and are based on the comparison of the value with the reference values without considering the confidence interval of measure.