

TEST REPORT N. 18/000410895

date of issue 01/10/2018

Customer ID 0073564

Messrs
SERCONS LLC
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STR., FLOOR 2, ROOM 51
117393 MOSCOW
Federazione Russa

Sample information

Acceptance number 18.642583.0004
Delivered by UPS on 19/09/2018
Receiving Date 19/09/2018
Place of origin INTROPLASTIKA LLC. MASHINOSTROITELNAYA, 6 109316 OREL Federazione Russa
Sample Description PAPER CUPS LAMINATED WITH POLYETHYLENE, MANUFACTURED BY LLC "INTROPLASTIKA"

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 AQUEOUS SOLUTION OF ETHANOL							25/09/2018- -27/09/2018	02	2
Met.: UNI EN 1186:2003									
CONDITIONS OF CONTACT								02	3
Ratio surface area/volume	0,7	cm ² /ml							4
Type of contact	Filling in aqueous simulants								5
Time	4,0	hours							6
Temperature	At reflux	°C							7
Concentration	50	% v/v							8
OVERALL MIGRATION							25/09/2018- -28/09/2018	02	9
Met.: UNI EN 1186:2003									
Overall migration 1st test	< LoQ	mg/dm ²			1,4				10
Overall migration 2nd test	< LoQ	mg/dm ²			1,4				11
Overall migration 3rd test	< LoQ	mg/dm ²			1,4				12
Medium overall migration	< LoQ	mg/dm ²	<=10	Reg UE 10/11 (h)	1,4				13

ON SAMPLE AS IT IS									
MIGRATION IN AQUEOUS SOLUTION OF ACETIC ACID							25/09/2018- -27/09/2018	02	15
Met.: UNI EN 1186:2003									
CONDITIONS OF CONTACT								02	16
Ratio surface area/volume	0,7	cm ² /ml							17
Type of contact	Filling in aqueous simulants								18
Time	4,0	hours							19
Temperature	100	°C							20
Concentration	3,0	% w/v							21
OVERALL MIGRATION							25/09/2018- -28/09/2018	02	22
Met.: UNI EN 1186:2003									
Overall migration 1st test	< LoQ	mg/dm ²			1,4				23
Overall migration 2nd test	< LoQ	mg/dm ²			1,4				24
Overall migration 3rd test	< LoQ	mg/dm ²			1,4				25
Medium overall migration	< LoQ	mg/dm ²	<=10	Reg UE 10/11 (h)	1,4				26

ON SAMPLE AS IT IS									
MIGRATION IN AQUEOUS SOLUTION OF ETHANOL							25/09/2018- -27/09/2018	02	28
Met.: UNI EN 1186:2003									
CONDITIONS OF CONTACT								02	29
Ratio surface area/volume	0,7	cm ² /ml							30
Type of contact	Filling in aqueous simulants								31
Time	4,0	hours							32
Temperature	At reflux	°C							33
Concentration	20	% v/v							34
OVERALL MIGRATION							25/09/2018- -01/10/2018	02	35
Met.: UNI EN 1186:2003									
Overall migration 1st test	< LoQ	mg/dm ²			1,4				36
Overall migration 2nd test	< LoQ	mg/dm ²			1,4				37
Overall migration 3rd test	1,4	mg/dm ²			1,4				38

ANALYTICAL RESULTS

	Value/Uncertain	Unit of measure	Reference values	References	LoQ	LoD	Start/end date of analysis	Op. units	Ro w
Medium overall migration	< LoQ	mg/dm ²	<=10	Reg UE 10/11 (h)	1,4				39

Additional information

Row (5), (18), (31) - Valore/ Incertezza: Filling in aqueous simulants = Filling in aqueous simulants = indicates the type of contact applied to the Method: UNI EN 1186-9:2003 "Test methods for overall migration into aqueous food simulants by article filling"

Row (13), (26), (39) - Riferimento: Reg UE 10/11 (h) = Regulation (EU) n° 10 of 14/01/2011 - G.U.U.E. n° L12 of 15/01/2011 - concerning plastic materials and objects intended to come into contact with food. Art 12 - Overall migration limit.

According to norm UNI EN 1186-1:2003 point 12.3 the following analytical tolerances are admitted: 6 mg/kg or 1 mg/dm² in migration tests with aqueous simulants, 20 mg/kg or 3 mg/dm² in migration tests with rectified olive oil or its substitutive simulants.

Such tolerances are the maximum difference between the average and the single values.

Operative units

Unit 02 : Via Castellana Resana (TV)

Compliance / non-compliance with the requirements and specifications

Row (13,26,39): the analytical results are IN ACCORDANCE with the indicated references.

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 food that are simulated by the simulants 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.

Chemical responsible
Dott. Enrico Nieddu Chimico Ordine dei chimici - Provincia di Treviso Iscrizione n. A339
Num. certificato 18131992 emesso dall'ente certificatore ArubaPEC S.p.A. NG CA 3, ArubaPEC S.p.A., IT

Chemical responsible
Dott. Mario Carlo Nerva Ordine Chimici Piemonte e Val D Aosta Iscrizione n. 2237 Sez. A
Num. certificato 17958489 emesso dall'ente certificatore ArubaPEC S.p.A. NG CA 3, ArubaPEC S.p.A., IT

Laboratory manager
Dott. Sébastien Moulard
Num. certificato 18132016 emesso dall'ente certificatore ArubaPEC S.p.A. NG CA 3, ArubaPEC S.p.A., IT

- 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 coverage 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 - If there is a specification (customer specifications, law limits) which has been compared to the analytical results, the values shown in bold indicate a result which is out of the specification. - If not differently specified the judgments of compliance /non-compliance 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.