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TEST REPORT

Applicant : DELTRIAN INTERNATIONAL
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Date and reference of order : Agreement on quotation n° 2016/4848 the 15/03/2016

Date of reception of the samples : 28 January 2016

Date of the beginning of the test : Week 10/2016

Sample identification : Synthetic media "Nanowave"

Product range identification : NW

Tests to determine the **ABILITY FOR FOOD CONTACT** of an article according to Regulation EC n°1935/2004 of 27 October 2004 and the French Decree n° 2007/766 of 10 May 2007 and French Decree n° 2008/1468 of 30 December 2008.

The samples listed in the chart in paragraph 2 of the Technical appendix, were analyzed according to the inertness applicable criteria (regulations or recommendations of the DGCCRF). These criteria were defined based on information provided by the applicant on the chemical nature of the materials in contact with food and, according to the foreseeable use of the object.

Under the conditions used, all the criteria of inertia analyzed **MEET** the regulatory requirements.

Trappes, the 10 June 2016

Test Officer



Isabelle BIRONNEAU

The results mentioned are only applicable to the sample, to the product, or to the material given to the laboratory such as it is defined in the present document.

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TECHNICAL APPENDIX

1. CONDITIONS OF CLOSING IN NORMAL OR FORESEEABLE USE OF THE ARTICLE

Type of food into contact	Conditions of use of the foods	Type of use	
		Single use	Repeated use
Aqueous, acid, alcoholic, fat and diary products	Brief contact at ambient temperature		

2. LIST OF THE COMPONENTS INTO CONTACT WITH FOODS FOR A NORMAL OR FORESEEABLE USE OF THE ARTICLE

The parts of the article, as listed in the chart below, have been identified as being in contact with food, according to information provided by the applicant.

Name of the part	Reference
Synthetic media "Nanowave"	NW

3. SUMMARY OF THE TEST RESULTS

Material	Applicable repository	Inertness criterium tested	Conclusion	
			Passed*	Failed**
100% Polyester	§ 4.1	Overall migration	X	

* **Passed** : Passed means that all the tested inertness criteria meet the requirements of the regulation or recommendations of the DGCCRF

** **Failed** : Failed means that one of all the tested inertness criteria at least, doesn't meet the requirements of the regulation or recommendations of the DGCCRF.

4. DETAILS OF ANALYTICAL RESULTS ON CRITERIA OF INERTIA OF SAMPLES PLASTIC

4.1. APPLICABLE REGULATORY TEXTS

- Regulation (UE) n°10/2011 of 14/01/2011
- Regulation (EU) n°321/2011 of 01/04/2011 (amendment n°1)
- Regulation (EU) n°1282/2011 of 28/11/2011 (amendment n°2)
- Regulation (EU) n°1183/2012 of 30/11/2012 (amendment n°3)
- Regulation (EU) n°202/2014 of 03/03/2014 (amendment n°4)
- Regulation (EU) n°2015/174 of 05/02/2015 (amendment n°5)
- Information note DGCCRF No. 2004/64 of 6 May 2004
- Recommendations published by DGCCRF (www.economie.gouv.fr/dgccrf/Materiaux-au-contact-des-denrees-alimentaires)

4.2. TABLE OF RESULTS

Analysed inertia criterion	Conditions of test	Method	Result(2)	Limit
Overall migration	30 minutes at 40°C (Acetic acid 3%)	EN 1186-3 (3 measures)	0,8 1,1 1,1	≤ 10 (+2) mg/dm ² (1) ou ≤ 60 (+12) mg/kg (1)
Overall migration	30 minutes at 40°C (Ethanol 50%)	EN 1186-3 (3 measures)	1,3 1,8 1,7	≤ 10 (+2) mg/dm ² (1) ou ≤ 60 (+12) mg/kg (1)
Overall migration	30 minutes at 20°C (Substitution simulant) (which corresponds at 30 minutes at 40°C in oil)	EN 1186-3 (3 measures)	6,2 5,2 5,6 (correcting factor 1)	≤ 10 (+2) mg/dm ² (1) ou ≤ 60 (+12) mg/kg (1)

Remark: Given the nature of the material, the test could not be conducted with sunflower oil.

In accordance with Chapter 3 of Annex V § 3.4.2 of UE Regulation No. 10/2011, the overall migration was performed with a substitution simulant on the basis of experimental data obtained by LNE (LNE's Project R&D report n° 321/2011), which overestimates the migration compared to simulant "D2" (sunflower oil - see table 1 of Annex III).

(1) In accordance with EU Regulation No. 10/2011, the analytical gap (2 mg/dm² or 12 mg/kg for the tests with acetic acid 3% and ethanol 50% and 4 mg/dm² or 24 mg/kg for substitution simulant) is added to the allowed limits (10 mg/dm² or 60 mg/kg).

(2) After applying the correction factors provided by the regulation, according to the type of food in contact.

NB: The substances used to make plastics, intended for contact with food, must be authorized by the French and European regulation.