AB 079

# TEST REPORT NO 271420/23/INT/Z1

**Replaces test report no. 271420/23/INT of 21.06.2023**

| | | |
|---|---|---|
| Client<br>DELTAPLAST Zrt.<br>1025 Budapest, Törökvész út 58.<br><br>ordered by:<br>J.S. Hamilton Hungaria Ltd.<br>Berlini street 47-49<br>1045 Budapest | | Sample (according to declaration of Client)<br>Sample description: NEOPET 80 |
| Sample reception date: | **26.05.2023** | Sample status: no objections |
| Start of analysis | **01.06.2023** | |
| End of analysis | **21.06.2023** | Sample received from the Client |
| Test report date | **23.06.2023** | |

| Test Method | Food simulant | Test conditions | Unit | Result | Criteria | Statement of conformity |
|---|---|---|---|---|---|---|
| * Overall migration - food simulant A [1) 2) 4) 5) 8)]<br>PN-EN 1186-1:2005 | 10% EtOH | 10d/ 40°C | mg/dm² | < 0,5 (0,5 ± 0,5)<br>(< 0,5; < 0,5; < 0,5) | ≤ 10 | Pass |
| * Overall migration - food simulant B [1) 2) 4) 5) 8)]<br>PN-EN 1186-1:2005 | 3% AA | 10d/ 40°C | mg/dm² | < 0,5 (0,5 ± 0,5)<br>(< 0,5; < 0,5; < 0,5) | ≤ 10 | Pass |
| * Overall migration - substitute food simulant D2i [1) 2) 4) 5) 8)]<br>PN-EN 1186-1:2005 | isooctane | 2 d/ 20°C | mg/dm² | < 0,5 (0,5 ± 0,5)<br>(< 0,5; < 0,5; < 0,5) | ≤ 10 | Pass |
| * Overall migration - substitute food simulant D2e [1) 2) 4)]<br>PN-EN 1186-1:2005 | 95% EtOH | 10d/ 40°C | mg/dm² | 1,0 (1,5; 1,0; 1,0) ± 1,0 | ≤ 10 | Pass |
| Preparation of the simulant to specific migration tests - food simulant B [3)]<br>PN-EN 13130-1:2006 | 3% AA | 10 d/ 60°C | dm²/ml | 0,60/100 | - | - |
| * Specific migration - acetaldehyde [CAS: 75-07-0; Ref.: 10060] [4) 6) 7) 8)]<br>PB-395 ed. I of 15.05.2019 | 3% AA | 10 d/ 60°C | mg/kg | < 0,5 (0,5 ± 0,2) | ≤ 6 (1) | Pass |

1) Migration method: total immersion.

2) Food contact surface area/food simulant volume: 1,00 dm²/100 ml.

3) PN-EN 13130-1:2006 p.15

4) Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food which is a specific measure within the meaning of Article 5(1) of Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC (OJ L12 of 15.1.2011, as amended).

5) Accredited measuring range: 0.5-60.0 mg/dm².

6) The result was calculated assuming the conventional surface to volume ratio of 6 dm² per 1 kg of food.

7) The criterion is not only related to the analysed compound(s). In brackets, next to the criterion, the restriction number for the entire group is given. The migration of the remaining compounds within the group was not included in the compliance assessment.

8) The lower limit of the measuring range of the accredited method, which is also the limit of quantification set by the Laboratory.

Identification of the change: client details

Authorized by:
Danika Falkowska, Analyst, Non-Food and Packaging Laboratory
Olga Łoza, Analyst, Non-Food and Packaging Laboratory
Paulina Tomalska, Senior Analysis Specialist, Non-Food and Packaging Laboratory



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The test report bears the certified electronic seal of J.S. Hamilton Poland Sp. z o.o.

Laboratory address:
Chwaszczyńska 180, 81-571 Gdynia

The results refer only to the samples received. When a measurement uncertainty is given, it is an expanded uncertainty estimated for a coverage factor k=2 at 95% confidence level and is not including sampling uncertainty, unless otherwise stated. When the conformity is stated J.S. Hamilton Poland Sp. z o.o. applies the simple acceptance decision rule in accordance with ILAC-G8:09/2019, unless otherwise reported. If the "result" column of the accredited method contains a record: "<" or ">", it means, that it is the test outcome directly related to the lower or upper limit of the measuring range of the accredited method, whereas the given expanded measurement uncertainty relates only to the lower or upper limit of the measuring range of the accredited method respectively. In such a case, the Laboratory presents the opinion and interpretation in the "statement of conformity" column, which is based on the obtained test outcome. This test report may not be copied in part without the prior written permission of J.S. Hamilton Poland Sp. z o.o. The responsibility of J.S. Hamilton Poland Sp. z o.o. is limited solely to the data issued in its original. J.S. Hamilton Poland Sp. z o.o. does not permit the use of the PCA accreditation symbol AB 079 by customers, subcontractors, external service providers and other third parties. For further information please refer to the PCA document - DA-02. The service confirmed by this report is subject to the General Terms and Conditions of Services of J.S. Hamilton Poland Sp. z o.o. published on www.hamilton.com.pl.

* Test method accredited
\# Test performed by external provider



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THE END OF THE REPORT



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