

Avery Dennison Innovation & Knowledge Center (ADIKC)
G5 MIDC
Ranjangaon Tal-Shirur
412220 Pune MH
INDIA

Eurofins Product Testing A/S
Smedeskovvej 38
8464 Galten
Denmark

CustomerSupport@eurofins.com
www.eurofins.com

Migration Report

11 May 2023

1 Sample Information

Sample name	S2045N HMA
Sample reception	11/04/2023
Sample no.	392-2023-00167601
Analysis period	21/04/2023 - 10/05/2023

2 Brief Evaluation of the Results

Type of analysis	Conclusion	Regulation or protocol
Overall migration	Pass	(EU) No 10/2011

Full details based on the testing and direct comparison with limit values are available in the following pages

Eurofins Product Testing A/S


Jeanette K. Pedersen
Analytical Service Manager
Katrine Nørrelund
M.Sc., PhD Biology

3 Applied Test Methods

3.1 General Test References

Method	Parameter	Analysis principle	LOD	Um(%)
EN 1186-3:2022	Preparation for migration	Exposure to 10% ethanol by cell	-	-
EN 1186-3:2022	Overall migration into 10% ethanol	Gravimetry	1 mg/dm ²	20%
DS/EN 14338:2004	Preparation for migration	Exposure to MPPO (Tenax) by cell	-	-
EN 1186-1:2002	Overall migration into Tenax	Gravimetry	2 mg/dm ²	30%

3.2 Test Conditions

Simulant	Technique	Area exposed [dm ²]	Volume (Simulant) [mL]	Migration Conditions
10% ethanol	Cell	2	100	24 Hours at 40°C
10% ethanol	Cell	2	100	10 Days at 40°C

Simulant	Technique	Area exposed [dm ²]	Amount (Simulant) [g]	Migration Conditions
MPPO (Tenax)	Cell	0.62	2.5	10 Days at 40°C

*: Not accredited

<: Less than

>: Greater than

LOD: Limit of detection

Um(%): The expanded uncertainty Um(%) equals 2 x RSD%. For further information please visit www.eurofins.dk/uncertainty

The results are only valid for the tested sample(s).

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□: Internal test method

n.d: Not detected

n.m: Not measurable

LOQ: Limit of quantification

4 Results

4.1 Overall Migration

Simulant	Single determinations			Average	OML value
	[mg/dm ²]	[mg/dm ²]	[mg/dm ²]		
10% ethanol (24 hours)	2.0	2.0	2.0	2.0	10
10% ethanol (10 days)	6.0	5.5	6.0	6.0	10
MPPO (Tenax)	7.5	7.3	7.3	7.4	10

5 Summary and Evaluation of the Results

The results for overall migration **are below** the threshold value of 10 mg/dm².

Consequently, the product tested **complies** with the requirements in Commission Regulation (EU) No 10/2011 with amendments up to and including Commission Regulation (EU) 2020/1245 on plastic materials and articles intended to come into contact with food for the above-mentioned test conditions.

5.1 Decision Rules

Eurofins Product Testing A/S, declare statement of conformity based on the “Binary Statement for Simple Acceptance Rule” described in ILAC’s “Guidelines on decision Rules and Statements of Conformity” ILAC-G8:09/2019.

This means that results above the detection limit are always reported with two significant digits. Results are evaluated with the same number of significant digits as the corresponding limit values, and conformity is based on results being less than or equal to limit values.

For further information please visit www.eurofins.dk/product-testing/om-os/beslutningsregler/

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6 Picture of Sample



7 Version History

Report date	Report number	Modification
11/05/2023	392-2023-00167601_MP_EN	Current version

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