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Oldenburg, 29.07.2025

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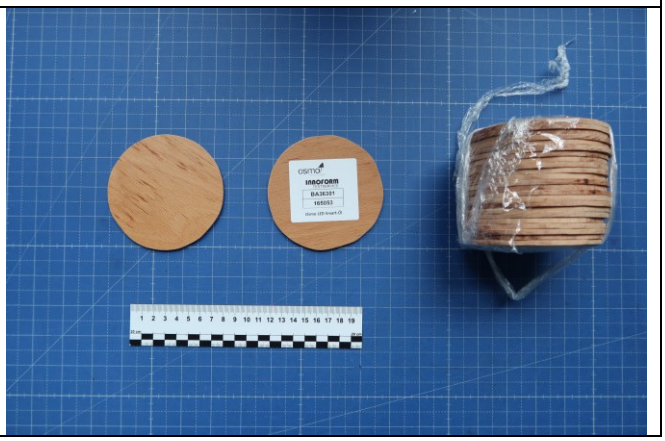
Test report BA 36301

Date of order: 11.07.2025
Period of testing: 23.07.2025 - 29.07.2025

We received the following sample/s:

Innoform sample no./ receipt **Description/ Designation from client**	**Sample**
165053 / 15.07.2025 Osmo LED Smart-Oil	

1 Reason of investigation

Determination of the migration behavior of coating materials on a wooden substrate. Explanation: The coating material is used to treat worktops on kitchen tables or dining tables. It may come into contact with all types of food, although this is usually only for a short time.

2 Scope of testing

- determination of overall migration with simulants B (acetic acid 3% (w/v)) and isooctane (as a substitute simulant for D2), test conditions: 0.5 h / 40 °C

▲= Accredited test method (tested on the current edition of the standard)
Θ = Operated by accredited external provider
Φ = Operated by non accredited external provider
The test report exclusively refers to the examined samples, as received.

3 Overall Migration

Migration testing according to Regulation (EU) No. 10/ 2011 “on plastic materials and articles intended to come into contact with food“ and the requirements of the standard EN 1186-1 ff. “Materials and articles in contact with foodstuffs – Plastics”.

In Regulation (EU) No. 10/ 2011 the following overall migration limits (OML) are set:
- 10 mg/dm² of food contact surface
- 60 mg/kg food or food simulant (for materials intended for the contact with food for infants and young children).

According to DIN EN 1186-1, section 12.3 (Reliability of results), a material or article whose mean result of the overall migration exceeds the limit by an amount not greater than the analytical error limit must be considered to comply with the overall migration limit.

The following analytical error limits are allowed: 1 mg/dm² for all aqueous test media (Simulant A, B, C and D1) and 3 mg/dm² for all fatty test media and substitute test media (Simulant D2, isooctane, ethanol 95 vol.%).

3.1 testing parameters

test standard	DIN EN 1186-3 (2022-10) ▲
Normative references	DIN EN 1186-1 (2002-07)
Innoform SOP	046
test temperature [°C]	40 +/-2
test time	0,5h
Intended food contact conditions	OM 0 Any food contact at cold or ambient temperatures and for a short duration (≤ 30 minutes)
food simulant	**B (Acetic Acid 3% (w/v))**
testing modus	cell
test area	0,5 dm²
simulant (amount/volume)	25 ml
conformity assessment according to	decision rule with a maximum permissible value taking into account the measurement uncertainty (see notes)

3.1.1 overall migration [mg/dm²]

Innoform sample no. description/ designation given by client	average ± U (k=2)	single values	note
165053 (Osmo LED Smart-Oil)	4,9 ± 1,2	5,9 3,9	limit: compliant

3.2 testing parameters (different from section 3.1)

food simulant **Isooctane**

3.2.1 overall migration [mg/dm²]

Innoform sample no. description/ designation given by client	average ± U (k=2)	single values	note
165053 (Osmo LED Smart-Oil)	< 1,0 ± 0,3	< 1,0 < 1,0	limit: compliant

3.3 *Notes/ abbreviations*

Note	Note
Calculation mean value	If individual values are determined which are lower than the limit of quantification, the mean value was calculated using the value of the limit of quantification.
LQ	Limit of quantification
LD	Limit of detection
U (k=2)	Expanded measurement uncertainty with a confidence interval of about 95 %. The calculation is based on the relative measurement uncertainty, which can be underestimated in the area of the limit of quantification. The expanded measurement uncertainty does not include sampling, as this is done by the client.
Decision rule for assessing conformity	**1. conformity (limit value complied with, evaluation: compliant)** **Taking into account the expanded measurement uncertainty (k=2), compliance with the limit value is reliably demonstrated**. Result (mean value) + measurement uncertainty U (k=2) are below the limit. **2. conformity uncertain** **Taking into account the expanded measurement uncertainty U (k=2), compliance with the limit value has not been reliably proven**. **a. Limit not reliably complied with, evaluation: not reliably compliant** Result (mean value) is below the limit, Result (mean value) + measurement uncertainty is above the limit. **b. Limit value not met, evaluation: non-compliant** Result (mean value) is above the limit, Result (mean value) - measurement uncertainty U (k=2) is below the limit. The risk of an incorrect assessment in cases a and b is approx. 5%. **3. no conformity (limit value not met, evaluation: non-compliant)** **Taking into account the expanded measurement uncertainty (k=2), non-compliance with the limit value is proven with certainty**. Result (mean value) - measurement uncertainty U (k=2) is above the limit.

Kind regards

29.07.2025

X Tim Schlüter

Dr. Tim Schlüter
Prüfleiter / Test Manager
Signiert von: Tim Schlüter

Innoform GmbH
Testservice