Test report ID XXXXX

Customer Example Company

Assignment Measurlabs provided testing services for food contact material as requested by the customer.

Sample(s) Sampling was performed by the customer.

Description: paper sheets
Date of reception (dd/mm/yyyy): -
Batch number or other sample identification: -

Results The results presented on the next page(s) relate to the tested sample(s) only.

Summary of the results

Tests performed	Compliance
Specific migration of mineral oil hydrocarbons (MOSH/POSH and MOAH) into Tenax	**MOSH fraction**: compliant[1] **MOAH fraction**: compliant[2]
Mineral oil hydrocarbons (MOSH/POSH and MOAH) from aqueous extract of paper and board	**MOSH fraction**: compliant[1] **MOAH fraction**: compliant[2]

[1] BfR FAQ: Questions and answers on mineral oil components in food (31 July 2023)
[2] BfR recommendation XXXVI. Paper and board for food contact (as of 01.10.2025).

On XXXXX, issued by

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Test results - specific migration of mineral oil (MOSH/POSH and MOAH) hydrocarbons

Test methods Specific migration of mineral oils (MOSH/POSH and MOAH) was analyzed according to an in-house online LC-GC-FID method. Test method accredited for foods, paper, cardboard, polymers, toys, cosmetic raw materials, and cosmetic products. Test performed by an ISO/IEC 17025 accredited external service provider with an accreditation number xxxxx.

Test conditions 4 hours at 100 °C

Food simulant Tenax

MOSH/POSH group[1]	Unit[2]	Result[3]	LOQ	Limit	Compliance
MOSH/POSH (≥C10 - ≤C16)	µg/dm^2	not detected	5.0	-	-
MOSH/POSH (>C16 - ≤C20)	µg/dm^2	not detected	5.0	-	-
MOSH/POSH (>C20 - ≤C25)	µg/dm^2	not detected	5.0	-	-
MOSH/POSH (>C25 - ≤C35)	µg/dm^2	not detected	5.0	-	-
MOSH/POSH (>C35 - ≤C40)	µg/dm^2	not detected	5.0	-	-
MOSH/POSH (>C40 - ≤C50)	µg/dm^2	not detected	5.0	-	-
MOSH/POSH (≥C10 - ≤C50) total[5]	µg/dm^2	not detected	5.0	-	-
Results recalculated into mg/kg of food (13.3 dm^2 : 1 kg)					
MOSH/POSH (≥C10 - ≤C16)	mg/kg	not detected	0.067	≤ 12	compliant[4]
MOSH/POSH (>C16 - ≤C20)	mg/kg	not detected	0.067	≤ 4	compliant[4]
MOSH/POSH (>C20 - ≤C25)	mg/kg	not detected	0.067	-	-
MOSH/POSH (>C25 - ≤C35)	mg/kg	not detected	0.067	-	-
MOSH/POSH (>C35 - ≤C40)	mg/kg	not detected	0.067	-	-
MOSH/POSH (>C40 - ≤C50)	mg/kg	not detected	0.067	-	-
MOSH/POSH (≥C10 - ≤C50) total[5]	mg/kg	not detected	0.067	-	-

[1] MOSH/POSH are divided into groups based on the number of carbons in them.
[2] **µg/dm^2**: migration per surface of the sample; **mg/kg**: the result was calculated into mg/kg of food, assuming the conventional surface to volume ratio of 13.3 dm^2 per 1 kg of food.
[3] 'Not detected' indicates a result below the limit of quantification
[4] BfR FAQ: Questions and answers on mineral oil components in food (31 July 2023)
[5] Total migration of MOSH/POSH compounds with 10–50 carbons. The total content may also include parts of the individual fractions below the specified reporting limit.

MOAH group[1]	Unit[2]	Result[3]	LOQ	Limit	Compliance
MOAH (≥C10 - ≤C16)	µg/dm^2	not detected	5.0	-	-
MOAH (>C16 - ≤C25)	µg/dm^2	not detected	5.0	-	-
MOAH (>C25 - ≤C35)	µg/dm^2	not detected	5.0	-	-
MOAH (>C35 - ≤C50)	µg/dm^2	not detected	5.0	-	-
MOAH (≥C10 - ≤C35) total[4]	µg/dm^2	not detected	5.0	-	-
MOAH (≥C10 - ≤C50) total[6]	µg/dm^2	not detected	5.0	-	-
Results recalculated into mg/kg of food (13.3 dm^2 : 1 kg)					
MOAH (≥C10 - ≤C16)	mg/kg	not detected	0.067	-	-
MOAH (>C16 - ≤C25)	mg/kg	not detected	0.067	-	-
MOAH (>C25 - ≤C35)	mg/kg	not detected	0.067	-	-
MOAH (>C35 - ≤C50)	mg/kg	not detected	0.067	-	-
MOAH (≥C10 - ≤C35) total[4]	mg/kg	not detected	0.067	not detected	compliant[5]
MOAH (≥C10 - ≤C50) total[6]	mg/kg	not detected	0.067	-	-

[1] MOAH are divided into groups based on the number of carbons in them.
[2] **µg/dm^2**: migration per surface of the sample; **mg/kg**: the result was calculated into mg/kg of food, assuming the conventional surface to volume ratio of 13.3 dm^2 per 1 kg of food.
[3] 'Not detected' indicates a result below the limit of quantification (LOQ).
[4] Total migration of MOAH compounds with 10–35 carbons.
[5] BfR recommendation XXXVI. Paper and board for food contact (as of 01.10.2025).
[6] Total migration of MOAH compounds with 10–50 carbons. The total content may also include parts of the individual fractions below the specified reporting limit.

Test results - mineral oil (MOSH/POSH and MOAH) hydrocarbons from aqueous extract

Test methods	Aqueous extract prepared in accordance with EN 647. Specific migration of mineral oils (MOSH/POSH and MOAH) was analyzed according to an in-house online LC-GC-FID method. Test method accredited for foods, paper, cardboard, polymers, toys, cosmetic raw materials, and cosmetic products. Test performed by an ISO/IEC 17025 accredited external service provider with an accreditation number xxxxx.
Test conditions	2 hours ± 5 min. at (80 ± 2) °C
Extraction solvent	Water
Sample amount / solvent volume	10 g / 250 ml

MOSH/POSH group[1]	Unit[2]	Result[3]	LOQ	Limit	Compliance
MOSH/POSH (≥C10 - ≤C16)	µg/ml	not detected	0.03	-	-
MOSH/POSH (>C16 - ≤C20)	µg/ml	not detected	0.03	-	-
MOSH/POSH (>C20 - ≤C25)	µg/ml	not detected	0.03	-	-
MOSH/POSH (>C25 - ≤C35)	µg/ml	not detected	0.03	-	-
MOSH/POSH (>C35 - ≤C40)	µg/ml	not detected	0.03	-	-
MOSH/POSH (>C40 - ≤C50)	µg/ml	not detected	0.03	-	-
MOSH/POSH (≥C10 - ≤C50) total[5]	µg/ml	not detected	0.03	-	-
Results recalculated into mg/kg of food					
MOSH/POSH (≥C10 - ≤C16)	mg/kg	not detected	0.03	≤ 12	compliant[4]
MOSH/POSH (>C16 - ≤C20)	mg/kg	not detected	0.03	≤ 4	compliant[4]
MOSH/POSH (>C20 - ≤C25)	mg/kg	not detected	0.03	-	-
MOSH/POSH (>C25 - ≤C35)	mg/kg	not detected	0.03	-	-
MOSH/POSH (>C35 - ≤C40)	mg/kg	not detected	0.03	-	-
MOSH/POSH (>C40 - ≤C50)	mg/kg	not detected	0.03	-	-
MOSH/POSH (≥C10 - ≤C50) total[5]	mg/kg	not detected	0.03	-	-

[1] MOSH/POSH are divided into groups based on the number of carbons in them.
[2] **µg/ml**: content per volume of the water extract; **mg/kg**: the content in the hot water extract (mg/kg) was assumed to be equal to the migration into food.
[3] 'Not detected' indicates a result below the limit of quantification
[4] BfR FAQ: Questions and answers on mineral oil components in food (31 July 2023)
[5] Total migration of MOSH/POSH compounds with 10–50 carbons. The total content may also include parts of the individual fractions below the specified reporting limit.

MOAH group[1]	Unit[2]	Result[3]	LOQ	Limit	Compliance
MOAH (≥C10 - ≤C16)	µg/ml	not detected	0.03	-	-
MOAH (>C16 - ≤C25)	µg/ml	not detected	0.03	-	-
MOAH (>C25 - ≤C35)	µg/ml	not detected	0.03	-	-
MOAH (>C35 - ≤C50)	µg/ml	not detected	0.03	-	-
MOAH (≥C10 - ≤C35) total[4]	µg/ml	not detected	0.03	-	-
MOAH (≥C10 - ≤C50) total[6]	µg/ml	not detected	0.03	-	-
Results recalculated into mg/kg of food					
MOAH (≥C10 - ≤C16)	mg/kg	not detected	0.03	-	-
MOAH (>C16 - ≤C25)	mg/kg	not detected	0.03	-	-
MOAH (>C25 - ≤C35)	mg/kg	not detected	0.03	-	-
MOAH (>C35 - ≤C50)	mg/kg	not detected	0.03	-	-
MOAH (≥C10 - ≤C35) total[4]	mg/kg	not detected	0.03	not detected	compliant[5]
MOAH (≥C10 - ≤C50) total[6]	mg/kg	not detected	0.03	-	-

[1] MOAH are divided into groups based on the number of carbons in them.
[2] **µg/ml**: content per volume of the water extract; **mg/kg**: the content in the hot water extract (mg/kg) was assumed to be equal to the migration into food.
[3] 'Not detected' indicates a result below the limit of quantification (LOQ).
[4] Total migration of MOAH compounds with 10–35 carbons.
[5] BfR recommendation XXXVI. Paper and board for food contact (as of 01.10.2025).
[6] Total migration of MOAH compounds with 10–50 carbons. The total content may also include parts of the individual fractions below the specified reporting limit.

End of the test report