

REPORT OF ANALYSIS No. L109294/22/JSHR

Client RAFICON TRADE SRL ALEEA INDUSTRIILOR 2 - BUZĂU	Sample description (according to declaration of Client) TESATURA POLIPROPILENA (POLYPROPYLENE FABRIC) Lot: 1/2022 Lot quantity: 4000 KG Data productiei: - Expiration date: 04.2023 Greutate proba: 10 ML Sampling date: 15.11.2022 Responsabil prelevare: IULIANA POSTOVEI Sample condition with no objections
Sample received:	2022-11-17
Analysis completed (the date of performance of the laboratory activity):	2023-01-02
Report dated:	2023-01-02
Order of 2022-11-17 The samples were delivered by Client	

Test	Method	Food simulant	Test conditions	Unit	Result	Criteria	Parameter compliant / non-compliant
* Specific migration of elements (Annex II Commission Regulation (EU) No 10/2011) ¹⁾²⁾³⁾⁴⁾	PB-204 ed. VI of 05.10.2020						
Lead		10% ethanol	10 days at 60°C	mg/kg	< 0,005 (0,005 ± 0,001)	≤ 0,01	compliant
Chromium		10% ethanol	10 days at 60°C	mg/kg	< 0,005 (0,005 ± 0,001)	≤ 0,01	compliant
Cadmium		10% ethanol	10 days at 60°C	mg/kg	< 0,002 (0,002 ± 0,001)	≤ 0,002	compliant
Nickel		10% ethanol	10 days at 60°C	mg/kg	< 0,005 (0,005 ± 0,001)	≤ 0,02	compliant
Aluminum		10% ethanol	10 days at 60°C	mg/kg	< 0,050 (0,050 ± 0,010)	≤ 1	compliant
Iron		10% ethanol	10 days at 60°C	mg/kg	< 0,005 (0,005 ± 0,001)	≤ 48	compliant
Antimony		10% ethanol	10 days at 60°C	mg/kg	< 0,005 (0,005 ± 0,001)	≤ 0,04	compliant
Cobalt		10% ethanol	10 days at 60°C	mg/kg	< 0,005 (0,005 ± 0,001)	≤ 0,05	compliant
Copper		10% ethanol	10 days at 60°C	mg/kg	< 0,005 (0,005 ± 0,001)	≤ 5	compliant
Magnesium		10% ethanol	10 days at 60°C	mg/kg	< 0,050 (0,050 ± 0,010)	≤ 60	compliant
Manganese		10% ethanol	10 days at 60°C	mg/kg	< 0,005 (0,005 ± 0,001)	≤ 0,6	compliant
Zinc		10% ethanol	10 days at 60°C	mg/kg	< 0,005 (0,005 ± 0,001)	≤ 5	compliant
Barium		10% ethanol	10 days at 60°C	mg/kg	< 0,005 (0,005 ± 0,001)	≤ 1	compliant

Authorized by: Anna Serwin, Analysis Expert, Non-Food and Packaging Laboratory
 Joanna Kosińska, Senior Analytical Techniques Specialist, Non-Food and Packaging Laboratory
 Paulina Pótorak, Expert Analyst, Laboratories Cooperation Section
 Approved by: Hanna Wachowska, Laboratory Director (Approved with electronic signature)

Laboratory: Gdynia 81-571, Chwaszczyńska 180

The results relate to the analysed samples only. Unless otherwise specified given expanded measurement uncertainty was estimated for the coverage factor k=2 at 95% confidence level. Sampling uncertainty has not been taken into consideration. Unless otherwise specified when conformity is stated J.S. Hamilton Poland Sp. z o.o. applies the simple acceptance decision rule in accordance with ILAC-G8:09/2019. This Report cannot be reproduced partially without a prior written consent of J.S. Hamilton Poland Sp. z o.o. Responsibility of J.S. Hamilton Poland Sp. z o.o. is restricted exclusively to the results and statements presented in original copy of the Report. 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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Lithium	10% ethanol	10 days at 60°C	mg/kg	< 0,005 (0,005 ± 0,001)	≤ 0,6	compliant
Arsenic	10% ethanol	10 days at 60°C	mg/kg	< 0,002 (0,002 ± 0,001)	≤ 0,01	compliant
Potassium	10% ethanol	10 days at 60°C	mg/kg	< 0,100 (0,100 ± 0,020)	≤ 60	compliant
Sodium	10% ethanol	10 days at 60°C	mg/kg	0,162 ± 0,032	≤ 60	compliant
Calcium	10% ethanol	10 days at 60°C	mg/kg	2,33 ± 0,466	≤ 60	compliant
Mercury	10% ethanol	10 days at 60°C	mg/kg	< 0,005 (0,005 ± 0,001)	≤ 0,01	compliant
Europium	10% ethanol	10 days at 60°C	mg/kg	< 0,005 (0,005 ± 0,001)	≤ 0,05	compliant
Gadolinium	10% ethanol	10 days at 60°C	mg/kg	< 0,005 (0,005 ± 0,001)	≤ 0,05	compliant
Lanthanum	10% ethanol	10 days at 60°C	mg/kg	< 0,005 (0,005 ± 0,001)	≤ 0,05	compliant
Terbium	10% ethanol	10 days at 60°C	mg/kg	< 0,005 (0,005 ± 0,001)	≤ 0,05	compliant
Sum of lanthanide - Eu, Gd, La, Tb	10% ethanol	10 days at 60°C	mg/kg	< 0,005 (0,005 ± 0,001)	≤ 0,05	compliant
Preparation of the simulant to specific migration test - food simulant B ⁵⁾	PN-EN 13130-1:2006					
Food contact surface area/food simulant volume	10% ethanol	10 days at 60°C	dm ² /ml	0,60/100	-	-
# * Specific migration - mineral oil (MOSH/POSH and MOAH) ⁶⁾	PV-SA-132					
MOSH/POSH C10-C26	10% ethanol	10 days at 60°C	mg/kg	not detected	-	-
MOSH/POSH C16-C20	10% ethanol	10 days at 60°C	mg/kg	not detected	-	-
MOSH/POSH C20-C25	10% ethanol	10 days at 60°C	mg/kg	not detected	-	-
MOSH/POSH C25-C35	10% ethanol	10 days at 60°C	mg/kg	not detected	-	-
MOSH/POSH C35-C40	10% ethanol	10 days at 60°C	mg/kg	not detected	-	-
MOSH/POSH C40-C50	10% ethanol	10 days at 60°C	mg/kg	not detected	-	-
MOSH/POSH C10-C50	10% ethanol	10 days at 60°C	mg/kg	not detected	-	-
MOAH C10-C16	10% ethanol	10 days at 60°C	mg/kg	not detected	-	-
MOAH C16-C25	10% ethanol	10 days at 60°C	mg/kg	not detected	-	-

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MOAH C25-C35	10% ethanol	10 days at 60°C	mg/kg	not detected	-	-
MOAH C35-C50	10% ethanol	10 days at 60°C	mg/kg	not detected	-	-
MOAH C10-C50	10% ethanol	10 days at 60°C	mg/kg	not detected	-	-

¹⁾ Migration results expressed in mg/kg applying the conventional S/V ratio of 6 dm² per kg of food.

²⁾ 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).

³⁾ "<" indicates below the limit of quantification of the method.

⁴⁾ The lower limit of the measuring range of the accredited method, which is also the limit of quantification set by the Laboratory.

⁵⁾ PN-EN 13130-1:2006 p.15

⁶⁾ LOQ: 0,50 mg/kg

Test: Specific migration - mineral oil (MOSH/POSH and MOAH) was performed by external provider with an accreditation number D-PL-14400-01-00

THE END OF THE REPORT

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