



TEST REPORT Job No./Report No TR2357256-RV1 Date: 12 October 2023 Page 1 of 11

ÜÇGEN ENDUSTRİYEL ÜRÜNLER SAN. TİC. LTD. STİ.

ÇAKIL MAH. ELBASAN CAD. NO: 67 34540 ÇATALCA/İSTANBUL

TEL: 0212 886 71 91 - 0532 266 78 03

FAX: 0212 886 71 94

To the attention of Taşkın Saklıca

The following sample(s) was (were) submitted and identified by/on behalf of the client as:

	, man (mana) amananan anjaran
Sample No.	Sample Description
Α	White Panel
В	Foam Container

Client's reference No. TR 2357256-RV1

Reference No. EPP-600/EPP-4060FL/EPP-200/EPP-406020/EPP-406030/EPP-3535L/

> EPP-3535H/EPP-4242L/EPP-4242H/EPP-MBP/TCB-600/TCB-100-150-200/ TCB-200C/TCB-600C/ST-10-20-40/BC-23L/RFC-33L/BK-125-175/TCB-85L/ USA-102/GPUS-102/TT-5N-6N/BMS-86/BAD-01/BTA-01

Sample Receiving Date 23 August 2023

Resubmit Date 12 September 2023~12 October 2023 Test Performing Period 23 August 2023~25 September 2023

Overall Conclusion PASS

Test Results Please refer to the next page(s).

Performed Test Summary: Selected test(s) as requested by client against Client's performance

standard.

* Remark(s):

1 - Client provided declaration that below samples are made of the same material and color which are different on the shape and size merely.

DX987	-EPP-600
DX988	-EPP-4060FL
DX989	-EPP-406030TL
DX990	-EPP-200
DX991	-EPP-4242H
DX992	-EPP-3535L
DX993	-TCB-600
DX994	-TCB-600C

SGS applied shared risk decision rule.

SGS does not verify authenticity of any Brand/Trademark of products. Buyers must check if the product is genuine with the Brand/Trademark owner directly.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Unless further specified in an individual contract the sample(s) retention time is 30

[&]quot;This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions and,

This document is issued by the Company subject to its deneral Conditions of Service printed overlear, available on request or accessible at <a href="https://www.sgs.com/terms-and-conditions/terms-an document is unlawful and offenders may be prosecuted to the fullest extent of the law. If it is important for the test result, the environmental conditions are specified in the test result







TEST REPORT

Job No./Report No TR2357256-RV1

Date: 12 October 2023

Page 2 of 11

Test Parameters	Re	sult
Chemical tests	<u>A1</u>	<u>B1</u>
FCM - Overall Migration of Total Non-volatile Substance in Plastic Materials - Simulant A (Ethanol 10%)	М	М
FCM - Overall Migration of Total Non-volatile Substance in Plastic Materials - Simulant B (Acetic acid 3%)	M	М
FCM - Overall Migration of Total Non-volatile Substance in Plastic Materials (95% Ethanol)	M	М
FCM - Overall Migration of Total Non-volatile Substance in Plastic Materials (Isooctane)	M	М
FCM - Overall Migration of Total Non-Volatile Substance in Plastic Materials (MPPO/Tenax)	M	М
FCM - Sensory Analysis for Packaging Materials and Packages for Food Products	M	М
FCM - Soluble Heavy Metals in Aqueous Test Simulants (3% Acetic Acid)	М	M
Colour Release (10% Ethanol) -Germany	M	M
Colour Release (Coconut Oil/Fat) -Germany	М	M
Colour Release (2% Acetic Acid) -Germany	М	M
Colour Release (Distilled Water) -Germany	М	М

Remarks	M = Meets client's requirement
	F = Does not meet client's requirement
	I = Inconclusive
	* = No specified requirement
Notes:	Conclusions on meet/fail are based on the test result from the actual sampling of the received sample(s).
	Residual sample can be returned to client if requested.

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions and,

This document is issued by the Company subject to its deneral Conditions of Service printed overlear, available on request or accessible at <a href="https://www.sgs.com/terms-and-conditions/terms-an

SGS applied shared risk decision rule.

SGS does not verify authenticity of any Brand/Trademark of products. Buyers must check if the product is genuine with the Brand/Trademark owner directly.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Unless further specified in an individual contract the sample(s) retention time is 30







TEST REPORT

Job No./Report No TR2357256-RV1

Date: 12 October 2023

Page 3 of 11

The test results relate to the tested items only.

Test reports without SGS seal and authorised signatures are invalid.

Issued in Istanbul Signed for and on behalf of SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.

IN THIS REVISED-1 REPORT, REFERENCE NUMBERS WERE ADDED BY THE REQUEST OF THE APPLICANT.

THIS REPORT SUPERSEDES OUR REPORT NO: 2357256-RV1 DATED 25.09.2023

RAVİYE MUTLU Bora Şirinbilek Customer Services Supervisor Hardline C&H Testing Services Manager



Sample No.	Sample Description	Material No.	Component	Material	Colour
Α	White Panel	A1	Panel Main	Plastic	White
В	Foam Container	B1	Box & Cover	Sponge & Foam	Dark grey

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions and,

In a document is issued by the Company subject to its ceneral Conditions or Service printed overlear, available on request or accessible at www.sgs.com/terms-and-conditions/terms-ed-ocument.

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Unsigned test reports are considered invalid. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unblustically and offenders that he reproduced to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided the full light provided to the full light provided to the full light provided to the full light provided the full light provid document is unlawful and offenders may be prosecuted to the fullest extent of the law. If it is important for the test result, the environmental conditions are specified in the test result

SGS applied shared risk decision rule.

SGS does not verify authenticity of any Brand/Trademark of products. Buyers must check if the product is genuine with the Brand/Trademark owner directly.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Unless further specified in an individual contract the sample(s) retention time is 30





TEST REPORT Job No./Report No TR2357256-RV1 Date: 12 October 2023 Page 4 of 11

Testing as per Commission Regulation (EU) No 10/2011

Plastic - Overall migration¹

Method: With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test methods (1st + 2nd + 3rd Migration); EN 1186-3:2022 Test methods for overall migration in evaporable simulants

	_		Result (mg/dm²)	Reporting	Permissible	
Simulant Used	Test Condition	4.01	<u>A1</u>	Ord	Limit	Limit
		1 st	2 nd	3 rd	(mg/dm ²)	(mg/dm²)
		migration	migration	migration		
10% Ethanol (V/V)	30 minutes at 40 °C	ND	ND	ND	3.0	10
3% Acetic Acid (W/V)	30 minutes at 40 °C	ND	ND	ND	3.0	10
95% Ethanol	30 minutes at 40 °C	ND	ND	ND	3.0	10
Isooctane	30 minutes at 40 °C (2 hours at 70 °C)	ND	ND	ND	3.0	10
Stability^		Compliant				
Conclusion		PASS				

Note: 1. mg/dm² = milligram per square decimeter

- 2. °C = degree Celsius
- 3. ND = Not Detected
- 4. Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments.

Remark:

- 1. Analytical tolerance of evaporable simulants is 2 mg/dm².
- 2. Test condition & simulant were specified by client.
- 3.^ = Stability trend is based on the result of the material from first to third migration test as per described in Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex V for repeated use articles.
- 4. The compliance is based on the stability trend and 3rd migration result.
- 5. The ratio of surface area to volume ratio is 6 dm² per 1 kg of foodstuff in contact with

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions and,

This document is issued by the Company subject to its deneral Conditions of Service printed overlear, available on request or accessible at <a href="https://www.sgs.com/terms-and-conditions/terms-an document is unlawful and offenders may be prosecuted to the fullest extent of the law. If it is important for the test result, the environmental conditions are specified in the test result

SGS applied shared risk decision rule.

SGS does not verify authenticity of any Brand/Trademark of products. Buyers must check if the product is genuine with the Brand/Trademark owner directly.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Unless further specified in an individual contract the sample(s) retention time is 30





TEST REPORT Job No./Report No TR2357256-RV1 Date: 12 October 2023 Page 5 of 11

Testing as per Commission Regulation (EU) No 10/2011

Plastic - Overall migration¹

Method: With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test methods (1st + 2nd + 3rd Migration); EN 1186-3:2022 Test methods for overall migration in evaporable simulants

			Result (mg/dm²)	Reporting	Permissible	
Simulant Used	Test Condition		<u>B1</u>		Limit	Limit
		1 st	2 nd	3 rd	(mg/dm²)	(mg/dm²)
		migration	migration	migration		
10% Ethanol (V/V)	30 minutes at 40 °C	ND	ND	ND	3.0	10
3% Acetic Acid (W/V)	30 minutes at 40 °C	ND	ND	ND	3.0	10
95% Ethanol	30 minutes at 40 °C	ND	ND	ND	3.0	10
Isooctane	30 minutes at 40 °C (2 hours at 70 °C)	5.0	ND	ND	3.0	10
Stability^		Compliant				
Conclusion		PASS				

Note: 1. mg/dm² = milligram per square decimeter

- 2. °C = degree Celsius
- 3. ND = Not Detected
- 4. Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments.

Remark:

- 1. Analytical tolerance of evaporable simulants is 2 mg/dm².
- 2. Test condition & simulant were specified by client.
- 3.^ = Stability trend is based on the result of the material from first to third migration test as per described in Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex V for repeated use
- 4. The compliance is based on the stability trend and 3rd migration result.
- 5. The ratio of surface area to volume ratio is 6 dm² per 1 kg of foodstuff in contact with

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions and,

This document is issued by the Company subject to its deneral Conditions of Service printed overlear, available on request or accessible at <a href="https://www.sgs.com/terms-and-conditions/terms-an document is unlawful and offenders may be prosecuted to the fullest extent of the law. If it is important for the test result, the environmental conditions are specified in the test result

SGS applied shared risk decision rule.

SGS does not verify authenticity of any Brand/Trademark of products. Buyers must check if the product is genuine with the Brand/Trademark owner directly.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Unless further specified in an individual contract the sample(s) retention time is 30







TEST REPORT

Job No./Report No TR2357256-RV1

Date: 12 October 2023

Page 6 of 11

Testing as per Commission Regulation (EU) No 10/2011

Plastic - Overall migration¹

Method: With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test methods (1st + 2nd + 3rd Migration); EN 1186-13:2002 test method for overall migration at high temperatures.

Simulant Amount: 4 g used per surface area (dm²)

Simulant Used	Test Condition	Result (mg/dm²) A1,B1			Reporting Limit	Permissible Limit
		1 st	2 nd	3 rd	(mg/dm²)	(mg/dm²)
		migration	migration	migration		
MPPO (TENAX) (Simulant E)	30 minutes at 40 °C	ND	ND	ND	3.0	10
Stability^		Compliant				
Conclusion		PASS				

Note: 1. mg/dm² = milligram per square decimeter

- 2. °C = degree Celsius
- 3. ND = Not Detected
- 4. Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments.

Remark:

- 1. Test condition & simulant were specified by client.
- 2.^ = Stability trend is based on the result of the material from first to third migration test as per described in Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex V for repeated use
- 3. The compliance is based on the stability trend and 3rd migration result.

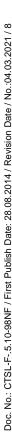
"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions and,

"This document is issued by the Company subject to its General Conditions or service printed overlear, available on request or accessible at www.sgs.com/terms-e-document and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms-e-document.

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Unsigned test reports are considered invalid. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this decrease in the programment of the content or appearance of this decrease in the programment of the content or appearance of this decrease. document is unlawful and offenders may be prosecuted to the fullest extent of the law. If it is important for the test result, the environmental conditions are specified in the test result

SGS applied shared risk decision rule.

SGS does not verify authenticity of any Brand/Trademark of products. Buyers must check if the product is genuine with the Brand/Trademark owner directly. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Unless further specified in an individual contract the sample(s) retention time is 30







TEST REPORT Job No./Report No TR2357256-RV1 Date: 12 October 2023 Page 7 of 11

Article 3 of European Regulation No. 1935/2004

Sensory Examination - Odour and Taste Test

Method: With reference to DIN10955: 2004

Simulant Used	Test Item	Test Condition	Result^	Maximum
Simulani Osed	rest item	Test Condition	A1,B1	Permissible Limit
Motor	Sensorial examination odour	sorial examination odour 40°C for		2,5
Water	Sensorial examination taste	30 minutes	0	2,5
Conclusion			PASS	

1. Intensity scale (rounded at 0.5): Note:

0 - no perceptible difference

1 – just perceptible difference

2 - slight difference

3 - marked difference

4 - strong difference

2. Permissible Limit is according to German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with Amendments.

3. No of panelist: 6

Remark:

* - Significant physical change of appearance on test media was observed.

^ -- Result referring to median for 6 panelist

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions and,

In a document is issued by the Company subject to its ceneral Conditions or Service printed overlear, available on request or accessible at www.sgs.com/terms-and-conditions/terms-ed-ocument.

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Unsigned test reports are considered invalid. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unblustically and offenders that he reproduced to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided the full light provided to the full light provided to the full light provided to the full light provided the full light provid document is unlawful and offenders may be prosecuted to the fullest extent of the law. If it is important for the test result, the environmental conditions are specified in the test result

SGS applied shared risk decision rule.

SGS does not verify authenticity of any Brand/Trademark of products. Buyers must check if the product is genuine with the Brand/Trademark owner directly.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Unless further specified in an individual contract the sample(s) retention time is 30







TEST REPORT Job No./Report No TR2357256-RV1 Date: 12 October 2023 Page 8 of 11

Plastic - Specific Migration of Heavy Metals¹

Method: With reference to EN 13130-1:2004 and SGS In House Method RSTS-CHEM-602-1. Analysis was performed by ICP-MS / ICP-OES.

Simulant Used: 3% acetic acid (w/v) in aqueous solution, total immersion

Test Condition: 40°C for 30 minutes (1st + 2nd + 3rd migration);

	Result (mg/kg)			Reporting	Permissible Limit (mg/kg)
Test Item	<u>A1,B1</u>			Limit (mg/kg)	
	1st migration	2 nd migration	3 rd migration	Limit (mg/kg)	Limit (mg/kg)
Aluminium	ND	ND	ND	0.1	1
Antimony	ND	ND	ND	0.01	0.04
Arsenic	ND	ND	ND	0.01	0.01
Barium	ND	ND	ND	0.25	1
Cadmium	ND	ND	ND	0.002	0.002
Chromium	ND	ND	ND	0.01	0.01
Cobalt	ND	ND	ND	0.01	0.05
Copper	ND	ND	ND	0.25	5
Iron	ND	ND	ND	5	48
Lead	ND	ND	ND	0.01	0.01
Lithium	ND	ND	ND	0.1	0.6
Manganese	ND	ND	ND	0.1	0.6
Mercury	ND	ND	ND	0.01	0.01
Nickel	ND	ND	ND	0.01	0.02
Zinc	ND	ND	ND	0.5	5
Europium	ND	ND	ND	0.025	
Gadolinium	ND	ND	ND	0.025	0.05
Lanthanum	ND	ND	ND	0.025	0.05
Terbium	ND	ND	ND	0.025	
Stability^	Compliant				
Conclusion	PASS				

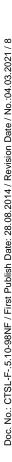
This document is issued by the Company subject to its deneral Conditions of Service printed overlear, available on request or accessible at <a href="https://www.sgs.com/terms-and-conditions/terms-an document is unlawful and offenders may be prosecuted to the fullest extent of the law. If it is important for the test result, the environmental conditions are specified in the test result

SGS applied shared risk decision rule.

SGS does not verify authenticity of any Brand/Trademark of products. Buyers must check if the product is genuine with the Brand/Trademark owner directly.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Unless further specified in an individual contract the sample(s) retention time is 30

[&]quot;This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions and,







TEST REPORT Job No./Report No TR2357256-RV1 Date: 12 October 2023 Page 9 of 11

Note: 1. mg/kg = milligram per kilogram of foodstuff in contact with

2. °C = degree Celsius

3. ND = Not Detected

4. Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments.

Remark:

- Test condition & simulant were specified by client.
- 2. Analytical tolerance of aqueous simulants is 2 mg/dm².
- The ratio of surface area to volume ratio is 6 dm2 per 1 kg of foodstuff in contact with.
- ^ = Stability trend is based on the result of the material from first to third migration test as per described in Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex V for repeated use articles.
- The compliance is based on the stability trend and 3rd migration result.

SGS applied shared risk decision rule.

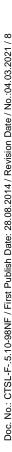
SGS does not verify authenticity of any Brand/Trademark of products. Buyers must check if the product is genuine with the Brand/Trademark owner directly.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Unless further specified in an individual contract the sample(s) retention time is 30

[&]quot;This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions and,

In a document is issued by the Company subject to its ceneral Conditions or Service printed overlear, available on request or accessible at www.sgs.com/terms-and-conditions/terms-ed-ocument.

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Unsigned test reports are considered invalid. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unblustically and offenders that he reproduced to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided to the full light provided the full light provided to the full light provided to the full light provided to the full light provided the full light provid document is unlawful and offenders may be prosecuted to the fullest extent of the law. If it is important for the test result, the environmental conditions are specified in the test result







TEST REPORT

Job No./Report No TR2357256-RV1

Date: 12 October 2023

Page 10 of

German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with Amendments, European Commission Regulation (EU) No 10/2011 with Amendments and BfR Recommendations.

Colour Release

Method: With reference to Kunststoffe im Lebensmittelverkehr, Part B II IX.

Simulant Used	Result	Permissible Limit	
Simulant Osed	<u>A1,B1</u>		
2% Acetic Acid (W/V) Aqueous Solution	No color release observed	No colour release	
Deionized Water	No color release observed	No colour release	
10% Ethanol (V/V) Aqueous Solution	No color release observed	No colour release	
Coconut Oil	No color release observed	No colour release	
Comment	PASS		

Note: 1. Permissible Limit is according to BfR Recommendation IX.

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions and,

This document is issued by the Company subject to its deneral Conditions of Service printed overlear, available on request or accessible at <a href="https://www.sgs.com/terms-and-conditions/terms-an document is unlawful and offenders may be prosecuted to the fullest extent of the law. If it is important for the test result, the environmental conditions are specified in the test result

SGS applied shared risk decision rule.

SGS does not verify authenticity of any Brand/Trademark of products. Buyers must check if the product is genuine with the Brand/Trademark owner directly.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Unless further specified in an individual contract the sample(s) retention time is 30





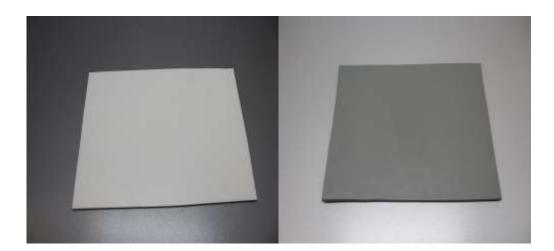


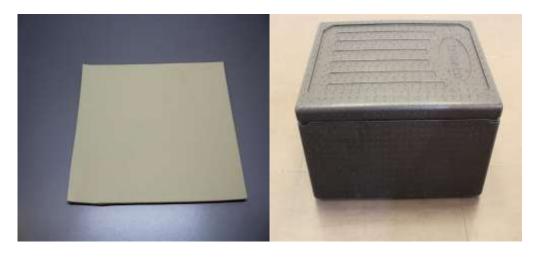
TEST REPORT

Job No./Report No TR2357256-RV1

Date: 12 October 2023

Page 11 of





End of Test Report

"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms and conditions and,

This document is issued by the Company subject to its deneral Conditions of Service printed overlear, available on request or accessible at <a href="https://www.sgs.com/terms-and-conditions/terms-an

SGS applied shared risk decision rule.

SGS does not verify authenticity of any Brand/Trademark of products. Buyers must check if the product is genuine with the Brand/Trademark owner directly.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Unless further specified in an individual contract the sample(s) retention time is 30