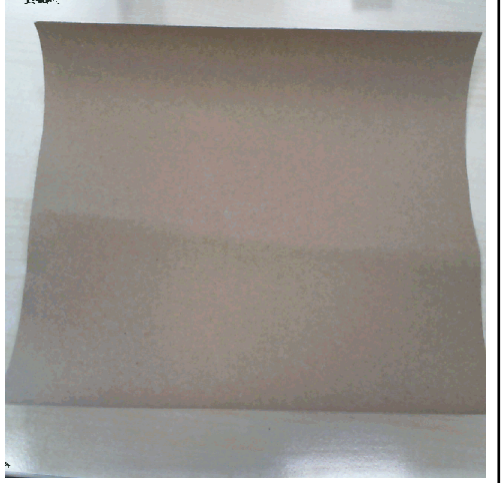


INTERTEK TEST HİZMETLERİ A.Ş.

MUAYENE VE ANALİZ BULGUSU
EXAMINATION & ANALYSIS DOCUMENT

Bulgu / Revizyon No / Document / Revision No: S261004156		Yayımlandığı Tarih/ Date: 21.04.2026
Analizin Amacı/ Purpose of Analysis: -		
Müşteri Bilgileri / Customer Information		
Müşteri Adı / Customer Name	Modern Karton San. Tic. A.Ş.	
Adres / Address	Ulaş OSB Mah. D100 Cad., No: 77 /33, 59930, , Ergene, Tekirdağ, TURKEY,	
Numune Bilgileri / Sample Information		
Adı / Name	Mod Flute	Numunenin Fotoğrafı / Sample Photo 
Üretici Adı / Producer Name		
Tanımı ve Seri - Parti No / Description and Batch Number		
Üretim ve Son Kullanma T.-TETT/ Production & Expiry Date-BBE		
Ambalajı ve Miktarı / Package and Quantity	1x55 g şeffaf poşet / transparent bag	
İlgili Kişi / Contact Person	Rumeysa Saraç [rumeysa.sarac@modernkarton.com.tr]	
Numune kabul tarihi/saat / Sample received / transport by/time	31.03.2026 16:22 kargo / parcel services	
Numune alım sıcaklığı / Sample temp when received		
Numuneyi teslim alan ve mühür/alındığı yer-tarih/ Submitted by & Seal/location-date	Müşteri Mühürsüz / Client None/	
Teklif No / Quotation No	30325R1	
Analiz başlama ve bitiş zamanı / Start / End of analysis	/ 21.04.2026	
Açıklamalar / Remarks		

Bu analiz bulgusu adli -idari işlemlerde ve reklam amacıyla kullanılamaz. Bu analiz bulgusunun hiçbir bölümü laboratuvarın yazılı izni olmadan kısmen kopyalanıp, çoğaltılamaz, tek başına veya ayrı ayrı kullanılamaz. Müşteri bilgileri ve numune bilgileri müşteri tarafından sağlanmıştır. Laboratuvar numune alma faaliyetini gerçekleştirmediği için sonuçlar teslim alınan numune için geçerlidir. Bilginin müşteri tarafından sağlandığı durumlar hariç, bulguda verilen tüm bilgilerden laboratuvarımız sorumludur. Bu bulgu (üst yazı ve ekler dahil), müşteri tarafından sağlanan numuneye ait tanım, talimat, bilgi, materyal ve/veya koşullar temelinde bulguda belirtilen müşterinin talebine uygun olarak münhasır kullanımı için hazırlanmıştır. Analiz sonuçları yukarıda belirtilen numune için geçerlidir.

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INTERTEK TEST HİZMETLERİ A.Ş.

MUAYENE VE ANALİZ BULGUSU
EXAMINATION & ANALYSIS DOCUMENTBulgu / Revizyon No / **Document / Revision No:** S261004156Yayımlandığı Tarih/ **Date:** 21.04.2026Analizler / **Analyses**

No	Analiz Adı <i>Analysis Name</i>	Sonuç <i>Results</i>	LOQ / LOD	Ölçüm Belirsizliği <i>Uncertainty</i>	Geri Kazanım <i>Recovery</i>	Cihaz <i>Equipment</i>	Metot <i>Method</i>	Limit <i>Requirement</i>	Mevzuat <i>Regulations</i>	Değerlendirme <i>Interpretation</i>
1	(§) PFAS (§) PFAS	(§) Taşeron analiz raporu ektedir. / (§) Subcon analysis report is attached.	-		-		Method			DY : NA

LOQ: Ölçüm Limiti / **Limit of Quantification** LOD: Tespit Limiti / **Limit of Detection** DY: **NA**: Değerlendirme Yapılamadı / **Not Applicable**Bazı analizler Ar-Ge amaçlı olarak çalışmakta ve sonuçlandırılmaktadır. / **Some analyses are performed and resulted for R-D purposes in scope of private demand.**

(±) k=2 , % 95 güven aralığında genişletilmiş ölçüm belirsizliği, numune alma belirsizliği içermeyecek şekilde hesaplanmıştır. Aksi belirtilmediği sürece analiz değerlendirilmesinde Paylaşılan Risk Karar Kuralı (Basit Kabul Kuralı) uygulanır. Farklı karar kuralı uygulanan değerlendirmeler uygunluk notu olarak belirtilmiştir. / **The reported which is not contain sampling uncertainty value uncertainty is an expanded uncertainty calculated using a coverage factor of 2 which gives a level of confidence of approximately 95%. Unless otherwise specified, the results are evaluated according to Shared Risk Decision Rule (Simple Acceptance Rule). Other evaluation rules which are applied, indicated as interpretation comment.**

(§)İşaretili analiz taşeron laboratuvarında yapılmıştır. / **(§) Marked analysis was performed at subcon laboratory.**

21.04.2026

Bu analiz bulgusu adli -idari işlemlerde ve reklam amacıyla kullanılamaz. Bu analiz bulgusunun hiçbir bölümü laboratuvarın yazılı izni olmadan kısmen kopyalanıp, çoğaltılamaz, tek başına veya ayrı ayrı kullanılamaz. Müşteri bilgileri ve numune bilgileri müşteri tarafından sağlanmıştır. Laboratuvar numune alma faaliyetini gerçekleştirmediği için sonuçlar teslim alınan numune için geçerlidir. Bilginin müşteri tarafından sağlandığı durumlar hariç, bulguda verilen tüm bilgilerden laboratuvarımız sorumludur. Bu bulgu (üst yazı ve ekler dahil), müşteri tarafından sağlanan numuneye ait tanım, talimat, bilgi, materyal ve/veya koşullar temelinde bulguda belirtilen müşterinin talebine uygun olarak münhasır kullanımı için hazırlanmıştır. Analiz sonuçları yukarıda belirtilen numune için geçerlidir.

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Bulgu Sonu / **End of document**

Intertek Test Hizmetleri A.Ş.
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Sayfa / Toplam Sayfa 2/2
Page / Total Pages

Modern Karton San. Tic A.Ş.
Ulaş OSB Mah. D100 Cad., No: 77 - 33,
59930 Ergene, Tekirdag
TURKEY

Fürth, 21 April 2026

TEST REPORT No. FUFDCP2026-01884

Date sample received: 02 April 2026
Testing period: 07 April 2026 - 21 April 2026
Technical Director: Kerstin Scharrer
Food contact testing according to client's request
Testing according to: Reg(EC)1935/2004

Abbreviations

*	= Test method is not part of the accreditation scope
**	= Outsourcing
#	= Subsequent delivery
CS	= Combined sample
F	= failed
n.a.	= not applicable
n.d.	= not determinable (< RL)
ND	= not detectable
P	= passed
RL	= Reporting limit
SML	= specific migration limit
SMR	= specific migration reference value
SRL	= specific release limit

Sample description: 261004156-Mod Flute, Material: Cardboard



1. PFAS in Water Extract

Test method: DIN EN 645:1994-01 (CWE) / 12.02.01.01_PFAS (2023-01)*

Reporting limit (RL) in µg/l simulant (see table)

Specific weight: 0.82 g/dm²

Results in µg/l simulant:

Parameter	Abbrev.	CAS	Results	RL
Perfluorobutanoic acid	PFBA [PFC C4]	375-22-4	n.d.	1.0
Perfluoropentanoic acid	PFPeA [PFC C5]	2706-90-3	n.d.	1.0
Perfluorohexanoic acid	PFHxA [PFC C6]	307-24-4	n.d.	1.0
Perfluoroheptanoic acid	PFHpA [PFC C7]	375-85-9	n.d.	1.0
Perfluorooctanoic acid	PFOA [PFC C8]	335-67-1	n.d.	1.0
Perfluorononanoic acid	PFNA [PFC C9]	375-95-1	n.d.	1.0
Perfluorodecanoic acid	PFDA [PFC C10]	335-76-2	n.d.	1.5
Perfluoroundecanoic acid	PFUdA [PFC C11]	2058-94-8	n.d.	1.5
Perfluorododecanoic acid	PFDoA [PFC C12]	307-55-1	n.d.	1.5
Perfluorotridecanoic acid	PFTTrDA [PFC C13]	72629-94-8	n.d.	1.5
Perfluorotetradecanoic acid	PFTeDA [PFC C14]	376-06-7	n.d.	1.5
Perfluorobutanesulfonic acid	PFBS [PFS C4]	375-73-5	n.d.	1.0
Perfluoropentanesulfonic acid	PFPeS [PFS C5]	2706-91-4	n.d.	1.0
Perfluorohexanesulfonic acid	PFHxS [PFS C6]	355-46-4	n.d.	1.0
Perfluoroheptanesulfonic acid	PFHpS [PFS C7]	375-92-8	n.d.	1.0
Perfluorooctanesulfonic acid	PFOS [PFS C8]	1763-23-1	n.d.	1.0
Perfluorononanesulfonic acid	PFNS [PFS C9]	474511-07-4	n.d.	1.0
Perfluorodecanesulfonic acid	PFDS [PFS C10]	335-77-3	n.d.	1.0
Perfluoroundecanesulfonic acid	PFUnDS [PFS C11]	749786-16-1	n.d.	1.0
Perfluorododecanesulfonic acid	PFDoDS [PFS C12]	79780-39-5	n.d.	1.0
Perfluorotridecanesulfonic acid	PFTTrDS [PFS C13]	n.a.	n.d.	1.0
Perfluorooctanesulfonamide	PFOSA	754-91-6	n.d.	1.0
N-Methyl-Perfluorooctanesulfonamide	N-Me-FOSA	31506-32-8	n.d.	1.0
N-Ethyl-Perfluorooctanesulfonamide	N-Et-FOSA	4151-50-2	n.d.	1.0
N-Methyl-Perfluorooctanesulfonamidoethanol	N-Me-FOSE alcohol	24448-09-7	n.d.	1.0
N-Ethyl-Perfluorooctanesulfonamidoethanol	N-Et-FOSE alcohol	1691-99-2	n.d.	1.0
N-(Perfluoro-1-octanesulfonyl) glycine	FOSAA	2806-24-8	n.d.	1.0
N-Methylperfluoro-1-octanesulfonamidoacetic acid	N-Me-FOSAA	2355-31-9	n.d.	1.0
N-Ethylperfluoro-1-octanesulfonamidoacetic acid	N-Et-FOSAA	2991-50-6	n.d.	1.0
2H,2H,3H,3H-Perfluoroundecanoic acid	4HPFUnA	34598-33-9	n.d.	1.0
Perfluoro-3,7-dimethyloctanoic acid	PF-3,7-DMOA	172155-07-6	n.d.	1.5

Parameter	Abbrev.	CAS	Results	RL
7H-Dodecafluoroheptane carboxylate	HPFHpA	1546-95-8	n.d.	10
2H,2H-Perfluorodecan carboxylate	H2PFDA	27854-31-5	n.d.	2.5
1H,1H,2H,2H-Perfluorohexanesulfonic acid	4:2 FTS	757124-72-4	n.d.	1.0
1H,1H,2H,2H-Perfluorooctanesulfonic acid	6:2 FTS	27619-97-2	n.d.	1.0
1H,1H,2H,2H-Perfluorodecanesulfonic acid	8:2 FTS	39108-34-4	n.d.	1.0
1H,1H,2H,2H-Perfluorododecanesulfonic acid	10:2 FTS	120226-60-0	n.d.	1.0
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid	HFPO-DA	13252-13-6	n.d.	1.0
Ammonium 4,8-dioxa-3H-perfluorononanoate	ADONA	958445-44-8	n.d.	1.0
1H,1H,2H,2H-Perfluorohexanol	4:2 FTOH	2043-47-2	n.d.	40
1H,1H,2H,2H-Perfluorooctanol	6:2 FTOH	647-42-7	n.d.	10
1H,1H,2H,2H-Perfluorodecanol	8:2 FTOH	678-39-7	n.d.	10
1H,1H,2H,2H-Perfluorododecanol	10:2 FTOH	865-86-1	n.d.	10
1H,1H,2H,2H-Perfluorotetradecanol	12:2 FTOH	39239-77-5	n.d.	10

Intertek Consumer Goods GmbH
Vanessa Blitz
 Sachverständige / Technical Expert
 Vanessa Blitz

General note:

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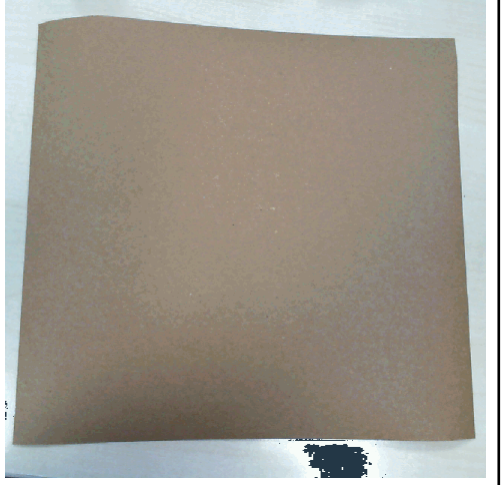
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All testing requests are subject to our Terms and Conditions available on www.intertek.com.

END OF REPORT

INTERTEK TEST HİZMETLERİ A.Ş.

MUAYENE VE ANALİZ BULGUSU
EXAMINATION & ANALYSIS DOCUMENT

Bulgu / Revizyon No / Document / Revision No: S261004160		Yayımlandığı Tarih/ Date: 21.04.2026
Analizin Amacı/ Purpose of Analysis: -		
Müşteri Bilgileri / Customer Information		
Müşteri Adı / Customer Name	Modern Karton San. Tic. A.Ş.	
Adres / Address	Ulaş OSB Mah. D100 Cad., No: 77 /33, 59930, , Ergene, Tekirdağ, TURKEY,	
Numune Bilgileri / Sample Information		
Adı / Name	Mod Kraft Plus	Numunenin Fotoğrafi / Sample Photo 
Üretici Adı / Producer Name		
Tanımı ve Seri - Parti No / Description and Batch Number		
Üretim ve Son Kullanma T.-TETT/ Production & Expiry Date-BBE		
Ambalajı ve Miktarı / Package and Quantity	1x75 g şeffaf poşet / transparent bag	
İlgili Kişi / Contact Person	Rumeysa Saraç [rumeysa.sarac@modernkarton.com.tr]	
Numune kabul tarihi/saat / Sample received / transport by/time	31.03.2026 16:22 kargo / parcel services	
Numune alım sıcaklığı / Sample temp when received		
Numuneyi teslim alan ve mühür/alındığı yer-tarih/ Submitted by & Seal/location-date	Müşteri Mühürsüz / Client None/	
Teklif No / Quotation No	30325R1	
Analiz başlama ve bitiş zamanı / Start / End of analysis	/ 21.04.2026	
Açıklamalar / Remarks		

Bu analiz bulgusu adli -idari işlemlerde ve reklam amacıyla kullanılamaz. Bu analiz bulgusunun hiçbir bölümü laboratuvarın yazılı izni olmadan kısmen kopyalanıp, çoğaltılamaz, tek başına veya ayrı ayrı kullanılamaz. Müşteri bilgileri ve numune bilgileri müşteri tarafından sağlanmıştır. Laboratuvar numune alma faaliyetini gerçekleştirmediği için sonuçlar teslim alınan numune için geçerlidir. Bilginin müşteri tarafından sağlandığı durumlar hariç, bulguda verilen tüm bilgilerden laboratuvarımız sorumludur. Bu bulgu (üst yazı ve ekler dahil), müşteri tarafından sağlanan numuneye ait tanım, talimat, bilgi, materyal ve/veya koşullar temelinde bulguda belirtilen müşterinin talebine uygun olarak münhasır kullanımı için hazırlanmıştır. Analiz sonuçları yukarıda belirtilen numune için geçerlidir.

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INTERTEK TEST HİZMETLERİ A.Ş.

MUAYENE VE ANALİZ BULGUSU
EXAMINATION & ANALYSIS DOCUMENTBulgu / Revizyon No / **Document / Revision No:** S261004160Yayımlandığı Tarih/ **Date:** 21.04.2026Analizler / **Analyses**

No	Analiz Adı <i>Analysis Name</i>	Sonuç <i>Results</i>	LOQ / LOD	Ölçüm Belirsizliği <i>Uncertainty</i>	Geri Kazanım <i>Recovery</i>	Cihaz <i>Equipment</i>	Metot <i>Method</i>	Limit <i>Requirement</i>	Mevzuat <i>Regulations</i>	Değerlendirme <i>Interpretation</i>
1	(§) PFAS (§) PFAS	(§) Taşeron analiz raporu ektedir. / (§) Subcon analysis report is attached.	-		-		Method			DY : NA

LOQ: Ölçüm Limiti / **Limit of Quantification** LOD: Tespit Limiti / **Limit of Detection** DY: **NA**: Değerlendirme Yapılamadı / **Not Applicable**Bazı analizler Ar-Ge amaçlı olarak çalışmakta ve sonuçlandırılmaktadır. / **Some analyses are performed and resulted for R-D purposes in scope of private demand.**

(±) k=2 , % 95 güven aralığında genişletilmiş ölçüm belirsizliği, numune alma belirsizliği içermeyecek şekilde hesaplanmıştır. Aksi belirtilmediği sürece analiz değerlendirilmesinde Paylaşılan Risk Karar Kuralı (Basit Kabul Kuralı) uygulanır. Farklı karar kuralı uygulanan değerlendirmeler uygunluk notu olarak belirtilmiştir. / **The reported which is not contain sampling uncertainty value uncertainty is an expanded uncertainty calculated using a coverage factor of 2 which gives a level of confidence of approximately 95%. Unless otherwise specified, the results are evaluated according to Shared Risk Decision Rule (Simple Acceptance Rule). Other evaluation rules which are applied, indicated as interpretation comment.**

(§)İşaretili analiz taşeron laboratuvarında yapılmıştır. / **(§) Marked analysis was performed at subcon laboratory.**

21.04.2026

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Bulgu Sonu / **End of document**

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Sayfa / Toplam Sayfa 2/2
Page / Total Pages

Modern Karton San. Tic A.Ş.
Ulaş OSB Mah. D100 Cad., No: 77 - 33,
59930 Ergene, Tekirdag
TURKEY

Fürth, 21 April 2026

TEST REPORT No. FUFDCP2026-01888

Date sample received: 02 April 2026
Testing period: 07 April 2026 - 21 April 2026
Technical Director: Kerstin Scharrer
Food contact testing according to client's request
Testing according to: Reg(EC)1935/2004

Abbreviations

* = Test method is not part of the accreditation scope
** = Outsourcing
= Subsequent delivery
CS = Combined sample
F = failed
n.a. = not applicable
n.d. = not determinable (< RL)
ND = not detectable
P = passed
RL = Reporting limit
SML = specific migration limit
SMR = specific migration reference value
SRL = specific release limit

Sample description: 261004160-Mod Kraft Plus, Material: Cardboard



1. PFAS in Water Extract

Test method: DIN EN 645:1994-01 (CWE) / 12.02.01.01_PFAS (2023-01)*

Reporting limit (RL) in µg/l simulant (see table)

Specific weight: 1.2 g/dm²

Results in µg/l simulant:

Parameter	Abbrev.	CAS	Results	RL
Perfluorobutanoic acid	PFBA [PFC C4]	375-22-4	n.d.	1.0
Perfluoropentanoic acid	PFPeA [PFC C5]	2706-90-3	n.d.	1.0
Perfluorohexanoic acid	PFHxA [PFC C6]	307-24-4	n.d.	1.0
Perfluoroheptanoic acid	PFHpA [PFC C7]	375-85-9	n.d.	1.0
Perfluorooctanoic acid	PFOA [PFC C8]	335-67-1	n.d.	1.0
Perfluorononanoic acid	PFNA [PFC C9]	375-95-1	n.d.	1.0
Perfluorodecanoic acid	PFDA [PFC C10]	335-76-2	n.d.	1.5
Perfluoroundecanoic acid	PFUdA [PFC C11]	2058-94-8	n.d.	1.5
Perfluorododecanoic acid	PFDoA [PFC C12]	307-55-1	n.d.	1.5
Perfluorotridecanoic acid	PFTTrDA [PFC C13]	72629-94-8	n.d.	1.5
Perfluorotetradecanoic acid	PFTeDA [PFC C14]	376-06-7	n.d.	1.5
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Perfluoropentanesulfonic acid	PFPeS [PFS C5]	2706-91-4	n.d.	1.0
Perfluorohexanesulfonic acid	PFHxS [PFS C6]	355-46-4	n.d.	1.0
Perfluoroheptanesulfonic acid	PFHpS [PFS C7]	375-92-8	n.d.	1.0
Perfluorooctanesulfonic acid	PFOS [PFS C8]	1763-23-1	n.d.	1.0
Perfluorononanesulfonic acid	PFNS [PFS C9]	474511-07-4	n.d.	1.0
Perfluorodecanesulfonic acid	PFDS [PFS C10]	335-77-3	n.d.	1.0
Perfluoroundecanesulfonic acid	PFUnDS [PFS C11]	749786-16-1	n.d.	1.0
Perfluorododecanesulfonic acid	PFDoDS [PFS C12]	79780-39-5	n.d.	1.0
Perfluorotridecanesulfonic acid	PFTTrDS [PFS C13]	n.a.	n.d.	1.0
Perfluorooctanesulfonamide	PFOSA	754-91-6	n.d.	1.0
N-Methyl-Perfluorooctanesulfonamide	N-Me-FOSA	31506-32-8	n.d.	1.0
N-Ethyl-Perfluorooctanesulfonamide	N-Et-FOSA	4151-50-2	n.d.	1.0
N-Methyl-Perfluorooctanesulfonamidoethanol	N-Me-FOSE alcohol	24448-09-7	n.d.	1.0
N-Ethyl-Perfluorooctanesulfonamidoethanol	N-Et-FOSE alcohol	1691-99-2	n.d.	1.0
N-(Perfluoro-1-octanesulfonyl) glycine	FOSAA	2806-24-8	n.d.	1.0
N-Methylperfluoro-1-octanesulfonamidoacetic acid	N-Me-FOSAA	2355-31-9	n.d.	1.0
N-Ethylperfluoro-1-octanesulfonamidoacetic acid	N-Et-FOSAA	2991-50-6	n.d.	1.0
2H,2H,3H,3H-Perfluoroundecanoic acid	4HPFUnA	34598-33-9	n.d.	1.0
Perfluoro-3,7-dimethyloctanoic acid	PF-3,7-DMOA	172155-07-6	n.d.	1.5

Parameter	Abbrev.	CAS	Results	RL
7H-Dodecafluoroheptane carboxylate	HPFHpA	1546-95-8	n.d.	10
2H,2H-Perfluorodecan carboxylate	H2PFDA	27854-31-5	n.d.	2.5
1H,1H,2H,2H-Perfluorohexanesulfonic acid	4:2 FTS	757124-72-4	n.d.	1.0
1H,1H,2H,2H-Perfluorooctanesulfonic acid	6:2 FTS	27619-97-2	n.d.	1.0
1H,1H,2H,2H-Perfluorodecanesulfonic acid	8:2 FTS	39108-34-4	n.d.	1.0
1H,1H,2H,2H-Perfluorododecanesulfonic acid	10:2 FTS	120226-60-0	n.d.	1.0
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid	HFPO-DA	13252-13-6	n.d.	1.0
Ammonium 4,8-dioxa-3H-perfluorononanoate	ADONA	958445-44-8	n.d.	1.0
1H,1H,2H,2H-Perfluorohexanol	4:2 FTOH	2043-47-2	n.d.	40
1H,1H,2H,2H-Perfluorooctanol	6:2 FTOH	647-42-7	n.d.	10
1H,1H,2H,2H-Perfluorodecanol	8:2 FTOH	678-39-7	n.d.	10
1H,1H,2H,2H-Perfluorododecanol	10:2 FTOH	865-86-1	n.d.	10
1H,1H,2H,2H-Perfluorotetradecanol	12:2 FTOH	39239-77-5	n.d.	10

Intertek Consumer Goods GmbH
Vanessa Blitz
 Sachverständige / Technical Expert
 Vanessa Blitz

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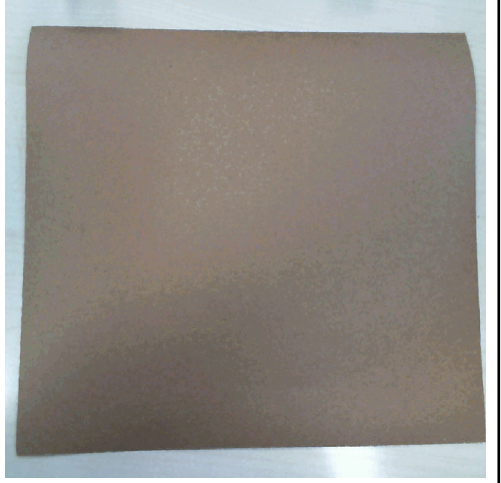
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END OF REPORT

INTERTEK TEST HİZMETLERİ A.Ş.

MUAYENE VE ANALİZ BULGUSU
EXAMINATION & ANALYSIS DOCUMENT

Bulgu / Revizyon No / Document / Revision No: S261004161		Yayımlandığı Tarih/ Date: 21.04.2026
Analizin Amacı/ Purpose of Analysis: -		
Müşteri Bilgileri / Customer Information		
Müşteri Adı / Customer Name	Modern Karton San. Tic. A.Ş.	
Adres / Address	Ulaş OSB Mah. D100 Cad., No: 77 /33, 59930, , Ergene, Tekirdağ, TURKEY,	
Numune Bilgileri / Sample Information		
Adı / Name	Modern Hydrokraft	Numunenin Fotoğrafı / Sample Photo 
Üretici Adı / Producer Name		
Tanımı ve Seri - Parti No / Description and Batch Number		
Üretim ve Son Kullanma T.-TETT/ Production & Expiry Date-BBE		
Ambalajı ve Miktarı / Package and Quantity	1x70 g şeffaf poşet / transparent bag	
İlgili Kişi / Contact Person	Rumeysa Saraç [rumeysa.sarac@modernkarton.com.tr]	
Numune kabul tarihi/saat / Sample received / transport by/time	31.03.2026 16:22 kargo / parcel services	
Numune alım sıcaklığı / Sample temp when received		
Numuneyi teslim alan ve mühür/alındığı yer-tarih/ Submitted by & Seal/location-date	Müşteri Mühürsüz / Client None/	
Teklif No / Quotation No	30325R1	
Analiz başlama ve bitiş zamanı / Start / End of analysis	/ 21.04.2026	
Açıklamalar / Remarks		

Bu analiz bulgusu adli -idari işlemlerde ve reklam amacıyla kullanılamaz. Bu analiz bulgusunun hiçbir bölümü laboratuvarın yazılı izni olmadan kısmen kopyalanıp, çoğaltılamaz, tek başına veya ayrı ayrı kullanılamaz. Müşteri bilgileri ve numune bilgileri müşteri tarafından sağlanmıştır. Laboratuvar numune alma faaliyetini gerçekleştirmediği için sonuçlar teslim alınan numune için geçerlidir. Bilginin müşteri tarafından sağlandığı durumlar hariç, bulguda verilen tüm bilgilerden laboratuvarımız sorumludur. Bu bulgu (üst yazı ve ekler dahil), müşteri tarafından sağlanan numuneye ait tanım, talimat, bilgi, materyal ve/veya koşullar temelinde bulguda belirtilen müşterinin talebine uygun olarak münhasır kullanımı için hazırlanmıştır. Analiz sonuçları yukarıda belirtilen numune için geçerlidir.

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MUAYENE VE ANALİZ BULGUSU
EXAMINATION & ANALYSIS DOCUMENTBulgu / Revizyon No / **Document / Revision No:** S261004161Yayımlandığı Tarih/ **Date:** 21.04.2026Analizler / **Analyses**

No	Analiz Adı <i>Analysis Name</i>	Sonuç <i>Results</i>	LOQ / LOD	Ölçüm Belirsizliği <i>Uncertainty</i>	Geri Kazanım <i>Recovery</i>	Cihaz <i>Equipment</i>	Metot <i>Method</i>	Limit <i>Requirement</i>	Mevzuat <i>Regulations</i>	Değerlendirme <i>Interpretation</i>
1	(§) PFAS (§) PFAS	(§) Taşeron analiz raporu ektedir. / (§) Subcon analysis report is attached.	-		-		Method			DY : NA

LOQ: Ölçüm Limiti / **Limit of Quantification** LOD: Tespit Limiti / **Limit of Detection** DY: **NA**: Değerlendirme Yapılamadı / **Not Applicable**Bazı analizler Ar-Ge amaçlı olarak çalışmakta ve sonuçlandırılmaktadır. / **Some analyses are performed and resulted for R-D purposes in scope of private demand.**

(±) k=2 , % 95 güven aralığında genişletilmiş ölçüm belirsizliği, numune alma belirsizliği içermeyecek şekilde hesaplanmıştır. Aksi belirtilmediği sürece analiz değerlendirilmesinde Paylaşılan Risk Karar Kuralı (Basit Kabul Kuralı) uygulanır. Farklı karar kuralı uygulanan değerlendirmeler uygunluk notu olarak belirtilmiştir. / **The reported which is not contain sampling uncertainty value uncertainty is an expanded uncertainty calculated using a coverage factor of 2 which gives a level of confidence of approximately 95%. Unless otherwise specified, the results are evaluated according to Shared Risk Decision Rule (Simple Acceptance Rule). Other evaluation rules which are applied, indicated as interpretation comment.**

(§)İşaretili analiz taşeron laboratuvarında yapılmıştır. / **(§) Marked analysis was performed at subcon laboratory.**

21.04.2026

Bu analiz bulgusu adli -idari işlemlerde ve reklam amacıyla kullanılamaz. Bu analiz bulgusunun hiçbir bölümü laboratuvarın yazılı izni olmadan kısmen kopyalanıp, çoğaltılamaz, tek başına veya ayrı ayrı kullanılamaz. Müşteri bilgileri ve numune bilgileri müşteri tarafından sağlanmıştır. Laboratuvar numune alma faaliyetini gerçekleştirmediği için sonuçlar teslim alınan numune için geçerlidir. Bilginin müşteri tarafından sağlandığı durumlar hariç, bulguda verilen tüm bilgilerden laboratuvarımız sorumludur. Bu bulgu (üst yazı ve ekler dahil), müşteri tarafından sağlanan numuneye ait tanım, talimat, bilgi, materyal ve/veya koşullar temelinde bulguda belirtilen müşterinin talebine uygun olarak münhasır kullanımı için hazırlanmıştır. Analiz sonuçları yukarıda belirtilen numune için geçerlidir.

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Bulgu Sonu / **End of document**

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Sayfa / Toplam Sayfa 2/2
Page / Total Pages

Modern Karton San. Tic A.Ş.
Ulaş OSB Mah. D100 Cad., No: 77 - 33,
59930 Ergene, Tekirdag
TURKEY

Fürth, 21 April 2026

TEST REPORT No. FUFDCP2026-01889

Date sample received: 02 April 2026
Testing period: 07 April 2026 - 21 April 2026
Technical Director: Kerstin Scharrer
Food contact testing according to client's request
Testing according to: Reg(EC)1935/2004

Abbreviations

* = Test method is not part of the accreditation scope
** = Outsourcing
= Subsequent delivery
CS = Combined sample
F = failed
n.a. = not applicable
n.d. = not determinable (< RL)
ND = not detectable
P = passed
RL = Reporting limit
SML = specific migration limit
SMR = specific migration reference value
SRL = specific release limit

Sample description: 261004161-Modern Hydro Kraft, Material: Cardboard



1. PFAS in Water Extract

Test method: DIN EN 645:1994-01 (CWE) / 12.02.01.01_PFAS (2023-01)*

Reporting limit (RL) in µg/l simulant (see table)

Specific weight: 1.4 g/dm²

Results in µg/l simulant:

Parameter	Abbrev.	CAS	Results	RL
Perfluorobutanoic acid	PFBA [PFC C4]	375-22-4	n.d.	1.0
Perfluoropentanoic acid	PFPeA [PFC C5]	2706-90-3	n.d.	1.0
Perfluorohexanoic acid	PFHxA [PFC C6]	307-24-4	n.d.	1.0
Perfluoroheptanoic acid	PFHpA [PFC C7]	375-85-9	n.d.	1.0
Perfluorooctanoic acid	PFOA [PFC C8]	335-67-1	n.d.	1.0
Perfluorononanoic acid	PFNA [PFC C9]	375-95-1	n.d.	1.0
Perfluorodecanoic acid	PFDA [PFC C10]	335-76-2	n.d.	1.5
Perfluoroundecanoic acid	PFUdA [PFC C11]	2058-94-8	n.d.	1.5
Perfluorododecanoic acid	PFDoA [PFC C12]	307-55-1	n.d.	1.5
Perfluorotridecanoic acid	PFTTrDA [PFC C13]	72629-94-8	n.d.	1.5
Perfluorotetradecanoic acid	PFTeDA [PFC C14]	376-06-7	n.d.	1.5
Perfluorobutanesulfonic acid	PFBS [PFS C4]	375-73-5	n.d.	1.0
Perfluoropentanesulfonic acid	PFPeS [PFS C5]	2706-91-4	n.d.	1.0
Perfluorohexanesulfonic acid	PFHxS [PFS C6]	355-46-4	n.d.	1.0
Perfluoroheptanesulfonic acid	PFHpS [PFS C7]	375-92-8	n.d.	1.0
Perfluorooctanesulfonic acid	PFOS [PFS C8]	1763-23-1	n.d.	1.0
Perfluorononanesulfonic acid	PFNS [PFS C9]	474511-07-4	n.d.	1.0
Perfluorodecanesulfonic acid	PFDS [PFS C10]	335-77-3	n.d.	1.0
Perfluoroundecanesulfonic acid	PFUnDS [PFS C11]	749786-16-1	n.d.	1.0
Perfluorododecanesulfonic acid	PFDoDS [PFS C12]	79780-39-5	n.d.	1.0
Perfluorotridecanesulfonic acid	PFTTrDS [PFS C13]	n.a.	n.d.	1.0
Perfluorooctanesulfonamide	PFOSA	754-91-6	n.d.	1.0
N-Methyl-Perfluorooctanesulfonamide	N-Me-FOSA	31506-32-8	n.d.	1.0
N-Ethyl-Perfluorooctanesulfonamide	N-Et-FOSA	4151-50-2	n.d.	1.0
N-Methyl-Perfluorooctanesulfonamidoethanol	N-Me-FOSE alcohol	24448-09-7	n.d.	1.0
N-Ethyl-Perfluorooctanesulfonamidoethanol	N-Et-FOSE alcohol	1691-99-2	n.d.	1.0
N-(Perfluoro-1-octanesulfonyl) glycine	FOSAA	2806-24-8	n.d.	1.0
N-Methylperfluoro-1-octanesulfonamidoacetic acid	N-Me-FOSAA	2355-31-9	n.d.	1.0
N-Ethylperfluoro-1-octanesulfonamidoacetic acid	N-Et-FOSAA	2991-50-6	n.d.	1.0
2H,2H,3H,3H-Perfluoroundecanoic acid	4HPFUnA	34598-33-9	n.d.	1.0
Perfluoro-3,7-dimethyloctanoic acid	PF-3,7-DMOA	172155-07-6	n.d.	1.5

Parameter	Abbrev.	CAS	Results	RL
7H-Dodecafluoroheptane carboxylate	HPFHpA	1546-95-8	n.d.	10
2H,2H-Perfluorodecan carboxylate	H2PFDA	27854-31-5	n.d.	2.5
1H,1H,2H,2H-Perfluorohexanesulfonic acid	4:2 FTS	757124-72-4	n.d.	1.0
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1H,1H,2H,2H-Perfluorodecanesulfonic acid	8:2 FTS	39108-34-4	n.d.	1.0
1H,1H,2H,2H-Perfluorododecanesulfonic acid	10:2 FTS	120226-60-0	n.d.	1.0
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid	HFPO-DA	13252-13-6	n.d.	1.0
Ammonium 4,8-dioxa-3H-perfluorononanoate	ADONA	958445-44-8	n.d.	1.0
1H,1H,2H,2H-Perfluorohexanol	4:2 FTOH	2043-47-2	n.d.	40
1H,1H,2H,2H-Perfluorooctanol	6:2 FTOH	647-42-7	n.d.	10
1H,1H,2H,2H-Perfluorodecanol	8:2 FTOH	678-39-7	n.d.	10
1H,1H,2H,2H-Perfluorododecanol	10:2 FTOH	865-86-1	n.d.	10
1H,1H,2H,2H-Perfluorotetradecanol	12:2 FTOH	39239-77-5	n.d.	10

Intertek Consumer Goods GmbH
Vanessa Blitz
 Sachverständige / Technical Expert
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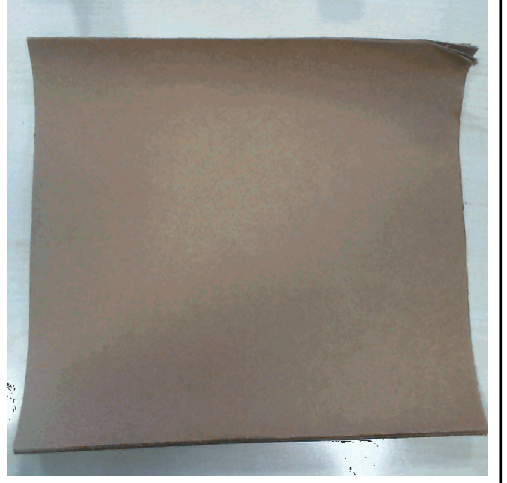
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MUAYENE VE ANALİZ BULGUSU
EXAMINATION & ANALYSIS DOCUMENT

Bulgu / Revizyon No / Document / Revision No: S261004162		Yayımlandığı Tarih/ Date: 21.04.2026
Analizin Amacı/ Purpose of Analysis: -		
Müşteri Bilgileri / Customer Information		
Müşteri Adı / Customer Name	Modern Karton San. Tic. A.Ş.	
Adres / Address	Ulaş OSB Mah. D100 Cad., No: 77 /33, 59930, , Ergene, Tekirdağ, TURKEY,	
Numune Bilgileri / Sample Information		
Adı / Name	Zonguldak Modliner	Numunenin Fotoğrafı / Sample Photo 
Üretici Adı / Producer Name		
Tanımı ve Seri - Parti No / Description and Batch Number		
Üretim ve Son Kullanma T.-TETT/ Production & Expiry Date-BBE		
Ambalajı ve Miktarı / Package and Quantity	1x70 g şeffaf poşet / transparent bag	
İlgili Kişi / Contact Person	Rumeysa Saraç [rumeysa.sarac@modernkarton.com.tr]	
Numune kabul tarihi/saat / Sample received / transport by/time	31.03.2026 16:22 kargo / parcel services	
Numune alım sıcaklığı / Sample temp when received		
Numuneyi teslim alan ve mühür/alındığı yer-tarih/ Submitted by & Seal/location-date	Müşteri Mühürsüz / Client None/	
Teklif No / Quotation No	30325R1	
Analiz başlama ve bitiş zamanı / Start / End of analysis	/ 21.04.2026	
Açıklamalar / Remarks		

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MUAYENE VE ANALİZ BULGUSU
EXAMINATION & ANALYSIS DOCUMENTBulgu / Revizyon No / **Document / Revision No:** S261004162Yayımlandığı Tarih/ **Date:** 21.04.2026Analizler / **Analyses**

No	Analiz Adı <i>Analysis Name</i>	Sonuç <i>Results</i>	LOQ / LOD	Ölçüm Belirsizliği <i>Uncertainty</i>	Geri Kazanım <i>Recovery</i>	Cihaz <i>Equipment</i>	Metot <i>Method</i>	Limit <i>Requirement</i>	Mevzuat <i>Regulations</i>	Değerlendirme <i>Interpretation</i>
1	(§) PFAS (§) PFAS	(§) Taşeron analiz raporu ektedir. / (§) Subcon analysis report is attached.	-		-		Method			DY : NA

LOQ: Ölçüm Limiti / **Limit of Quantification** LOD: Tespit Limiti / **Limit of Detection** DY: **NA**: Değerlendirme Yapılamadı / **Not Applicable**Bazı analizler Ar-Ge amaçlı olarak çalışmakta ve sonuçlandırılmaktadır. / **Some analyses are performed and resulted for R-D purposes in scope of private demand.**

(±) $k=2$, % 95 güven aralığında genişletilmiş ölçüm belirsizliği, numune alma belirsizliği içermeyecek şekilde hesaplanmıştır. Aksi belirtilmediği sürece analiz değerlendirilmesinde Paylaşılan Risk Karar Kuralı (Basit Kabul Kuralı) uygulanır. Farklı karar kuralı uygulanan değerlendirmeler uygunluk notu olarak belirtilmiştir. / **The reported which is not contain sampling uncertainty value uncertainty is an expanded uncertainty calculated using a coverage factor of 2 which gives a level of confidence of approximately 95%. Unless otherwise specified, the results are evaluated according to Shared Risk Decision Rule (Simple Acceptance Rule). Other evaluation rules which are applied, indicated as interpretation comment.**

(§)İşaretili analiz taşeron laboratuvarında yapılmıştır. / **(§) Marked analysis was performed at subcon laboratory.**

21.04.2026

Bu analiz bulgusu adli -idari işlemlerde ve reklam amacıyla kullanılamaz. Bu analiz bulgusunun hiçbir bölümü laboratuvarın yazılı izni olmadan kısmen kopyalanıp, çoğaltılamaz, tek başına veya ayrı ayrı kullanılamaz. Müşteri bilgileri ve numune bilgileri müşteri tarafından sağlanmıştır. Laboratuvar numune alma faaliyetini gerçekleştirmediği için sonuçlar teslim alınan numune için geçerlidir. Bilginin müşteri tarafından sağlandığı durumlar hariç, bulguda verilen tüm bilgilerden laboratuvarımız sorumludur. Bu bulgu (üst yazı ve ekler dahil), müşteri tarafından sağlanan numuneye ait tanım, talimat, bilgi, materyal ve/veya koşullar temelinde bulguda belirtilen müşterinin talebine uygun olarak münhasır kullanımı için hazırlanmıştır. Analiz sonuçları yukarıda belirtilen numune için geçerlidir.

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Bulgu Sonu / **End of document**

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e-mail: intertek.turkey@hs01.kep.tr, foodlab.turkey@intertek.com

Sayfa / Toplam Sayfa 2/2
Page / Total Pages

Modern Karton San. Tic A.Ş.
Ulaş OSB Mah. D100 Cad., No: 77 - 33,
59930 Ergene, Tekirdag
TURKEY

Fürth, 21 April 2026

TEST REPORT No. FUFDCP2026-01890

Date sample received: 02 April 2026
Testing period: 07 April 2026 - 21 April 2026
Technical Director: Kerstin Scharrer
Food contact testing according to client's request
Testing according to: Reg(EC)1935/2004

Abbreviations

*	=	Test method is not part of the accreditation scope
**	=	Outsourcing
#	=	Subsequent delivery
CS	=	Combined sample
F	=	failed
n.a.	=	not applicable
n.d.	=	not determinable (< RL)
ND	=	not detectable
P	=	passed
RL	=	Reporting limit
SML	=	specific migration limit
SMR	=	specific migration reference value
SRL	=	specific release limit

Sample description: 261004162-Zonguldak Mod Liner, Material: Cardboard



1. PFAS in Water Extract

Test method: DIN EN 645:1994-01 (CWE) / 12.02.01.01_PFAS (2023-01)*

Reporting limit (RL) in µg/l simulant (see table)

Specific weight: 0.80 g/dm²

Results in µg/l simulant:

Parameter	Abbrev.	CAS	Results	RL
Perfluorobutanoic acid	PFBA [PFC C4]	375-22-4	n.d.	1.0
Perfluoropentanoic acid	PFPeA [PFC C5]	2706-90-3	n.d.	1.0
Perfluorohexanoic acid	PFHxA [PFC C6]	307-24-4	n.d.	1.0
Perfluoroheptanoic acid	PFHpA [PFC C7]	375-85-9	n.d.	1.0
Perfluorooctanoic acid	PFOA [PFC C8]	335-67-1	n.d.	1.0
Perfluorononanoic acid	PFNA [PFC C9]	375-95-1	n.d.	1.0
Perfluorodecanoic acid	PFDA [PFC C10]	335-76-2	n.d.	1.5
Perfluoroundecanoic acid	PFUdA [PFC C11]	2058-94-8	n.d.	1.5
Perfluorododecanoic acid	PFDoA [PFC C12]	307-55-1	n.d.	1.5
Perfluorotridecanoic acid	PFTTrDA [PFC C13]	72629-94-8	n.d.	1.5
Perfluorotetradecanoic acid	PFTeDA [PFC C14]	376-06-7	n.d.	1.5
Perfluorobutanesulfonic acid	PFBS [PFS C4]	375-73-5	n.d.	1.0
Perfluoropentanesulfonic acid	PFPeS [PFS C5]	2706-91-4	n.d.	1.0
Perfluorohexanesulfonic acid	PFHxS [PFS C6]	355-46-4	n.d.	1.0
Perfluoroheptanesulfonic acid	PFHpS [PFS C7]	375-92-8	n.d.	1.0
Perfluorooctanesulfonic acid	PFOS [PFS C8]	1763-23-1	n.d.	1.0
Perfluorononanesulfonic acid	PFNS [PFS C9]	474511-07-4	n.d.	1.0
Perfluorodecanesulfonic acid	PFDS [PFS C10]	335-77-3	n.d.	1.0
Perfluoroundecanesulfonic acid	PFUnDS [PFS C11]	749786-16-1	n.d.	1.0
Perfluorododecanesulfonic acid	PFDoDS [PFS C12]	79780-39-5	n.d.	1.0
Perfluorotridecanesulfonic acid	PFTTrDS [PFS C13]	n.a.	n.d.	1.0
Perfluorooctanesulfonamide	PFOSA	754-91-6	n.d.	1.0
N-Methyl-Perfluorooctanesulfonamide	N-Me-FOSA	31506-32-8	n.d.	1.0
N-Ethyl-Perfluorooctanesulfonamide	N-Et-FOSA	4151-50-2	n.d.	1.0
N-Methyl-Perfluorooctanesulfonamidoethanol	N-Me-FOSE alcohol	24448-09-7	n.d.	1.0
N-Ethyl-Perfluorooctanesulfonamidoethanol	N-Et-FOSE alcohol	1691-99-2	n.d.	1.0
N-(Perfluoro-1-octanesulfonyl) glycine	FOSAA	2806-24-8	n.d.	1.0
N-Methylperfluoro-1-octanesulfonamidoacetic acid	N-Me-FOSAA	2355-31-9	n.d.	1.0
N-Ethylperfluoro-1-octanesulfonamidoacetic acid	N-Et-FOSAA	2991-50-6	n.d.	1.0
2H,2H,3H,3H-Perfluoroundecanoic acid	4HPFUnA	34598-33-9	n.d.	1.0
Perfluoro-3,7-dimethyloctanoic acid	PF-3,7-DMOA	172155-07-6	n.d.	1.5

Parameter	Abbrev.	CAS	Results	RL
7H-Dodecafluoroheptane carboxylate	HPFHpA	1546-95-8	n.d.	10
2H,2H-Perfluorodecan carboxylate	H2PFDA	27854-31-5	n.d.	2.5
1H,1H,2H,2H-Perfluorohexanesulfonic acid	4:2 FTS	757124-72-4	n.d.	1.0
1H,1H,2H,2H-Perfluorooctanesulfonic acid	6:2 FTS	27619-97-2	n.d.	1.0
1H,1H,2H,2H-Perfluorodecanesulfonic acid	8:2 FTS	39108-34-4	n.d.	1.0
1H,1H,2H,2H-Perfluorododecanesulfonic acid	10:2 FTS	120226-60-0	n.d.	1.0
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid	HFPO-DA	13252-13-6	n.d.	1.0
Ammonium 4,8-dioxa-3H-perfluorononanoate	ADONA	958445-44-8	n.d.	1.0
1H,1H,2H,2H-Perfluorohexanol	4:2 FTOH	2043-47-2	n.d.	40
1H,1H,2H,2H-Perfluorooctanol	6:2 FTOH	647-42-7	n.d.	10
1H,1H,2H,2H-Perfluorodecanol	8:2 FTOH	678-39-7	n.d.	10
1H,1H,2H,2H-Perfluorododecanol	10:2 FTOH	865-86-1	n.d.	10
1H,1H,2H,2H-Perfluorotetradecanol	12:2 FTOH	39239-77-5	n.d.	10

Intertek Consumer Goods GmbH
Vanessa Blitz
 Sachverständige / Technical Expert
 Vanessa Blitz

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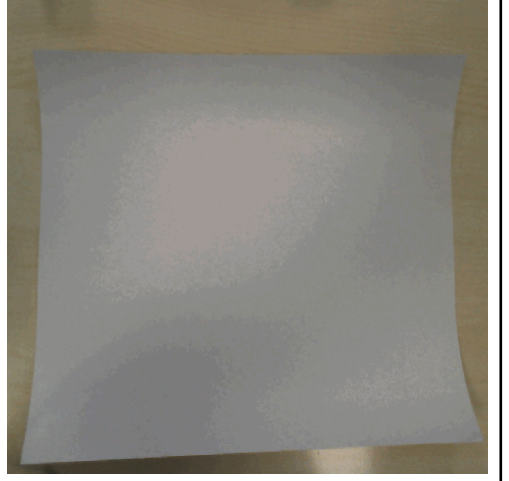
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INTERTEK TEST HİZMETLERİ A.Ş.

MUAYENE VE ANALİZ BULGUSU
EXAMINATION & ANALYSIS DOCUMENT

Bulgu / Revizyon No / Document / Revision No: S261004159		Yayımlandığı Tarih/ Date: 21.04.2026
Analizin Amacı/ Purpose of Analysis: -		
Müşteri Bilgileri / Customer Information		
Müşteri Adı / Customer Name	Modern Karton San. Tic. A.Ş.	
Adres / Address	Ulaş OSB Mah. D100 Cad., No: 77 /33, 59930, , Ergene, Tekirdağ, TURKEY,	
Numune Bilgileri / Sample Information		
Adı / Name	Mod Liner Premium White	Numunenin Fotoğrafi / Sample Photo 
Üretici Adı / Producer Name		
Tanımı ve Seri - Parti No / Description and Batch Number		
Üretim ve Son Kullanma T.-TETT/ Production & Expiry Date-BBE		
Ambalajı ve Miktarı / Package and Quantity	1x60 g şeffaf poşet / transparent bag	
İlgili Kişi / Contact Person	Rumeysa Saraç [rumeysa.sarac@modernkarton.com.tr]	
Numune kabul tarihi/saat / Sample received / transport by/time	31.03.2026 16:22 kargo / parcel services	
Numune alım sıcaklığı / Sample temp when received		
Numuneyi teslim alan ve mühür/alındığı yer-tarih/ Submitted by & Seal/location-date	Müşteri Mühürsüz / Client None/	
Teklif No / Quotation No	30325R1	
Analiz başlama ve bitiş zamanı / Start / End of analysis	/ 21.04.2026	
Açıklamalar / Remarks		

Bu analiz bulgusu adli -idari işlemlerde ve reklam amacıyla kullanılamaz. Bu analiz bulgusunun hiçbir bölümü laboratuvarın yazılı izni olmadan kısmen kopyalanıp, çoğaltılamaz, tek başına veya ayrı ayrı kullanılamaz. Müşteri bilgileri ve numune bilgileri müşteri tarafından sağlanmıştır. Laboratuvar numune alma faaliyetini gerçekleştirmediği için sonuçlar teslim alınan numune için geçerlidir. Bilginin müşteri tarafından sağlandığı durumlar hariç, bulguda verilen tüm bilgilerden laboratuvarımız sorumludur. Bu bulgu (üst yazı ve ekler dahil), müşteri tarafından sağlanan numuneye ait tanım, talimat, bilgi, materyal ve/veya koşullar temelinde bulguda belirtilen müşterinin talebine uygun olarak münhasır kullanımı için hazırlanmıştır. Analiz sonuçları yukarıda belirtilen numune için geçerlidir.

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INTERTEK TEST HİZMETLERİ A.Ş.

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EXAMINATION & ANALYSIS DOCUMENTBulgu / Revizyon No / **Document / Revision No:** S261004159Yayımlandığı Tarih/ **Date:** 21.04.2026Analizler / **Analyses**

No	Analiz Adı <i>Analysis Name</i>	Sonuç <i>Results</i>	LOQ / LOD	Ölçüm Belirsizliği <i>Uncertainty</i>	Geri Kazanım <i>Recovery</i>	Cihaz <i>Equipment</i>	Metot <i>Method</i>	Limit <i>Requirement</i>	Mevzuat <i>Regulations</i>	Değerlendirme <i>Interpretation</i>
1	(§) PFAS (§) PFAS	(§) Taşeron analiz raporu ektedir. / (§) Subcon analysis report is attached.	-		-		Method			DY : NA

LOQ: Ölçüm Limiti / **Limit of Quantification** LOD: Tespit Limiti / **Limit of Detection** DY: **NA**: Değerlendirme Yapılamadı / **Not Applicable**Bazı analizler Ar-Ge amaçlı olarak çalışmakta ve sonuçlandırılmaktadır. / **Some analyses are performed and resulted for R-D purposes in scope of private demand.**

(±) k=2 , % 95 güven aralığında genişletilmiş ölçüm belirsizliği, numune alma belirsizliği içermeyecek şekilde hesaplanmıştır. Aksi belirtilmediği sürece analiz değerlendirilmesinde Paylaşılan Risk Karar Kuralı (Basit Kabul Kuralı) uygulanır. Farklı karar kuralı uygulanan değerlendirmeler uygunluk notu olarak belirtilmiştir. / **The reported which is not contain sampling uncertainty value uncertainty is an expanded uncertainty calculated using a coverage factor of 2 which gives a level of confidence of approximately 95%. Unless otherwise specified, the results are evaluated according to Shared Risk Decision Rule (Simple Acceptance Rule). Other evaluation rules which are applied, indicated as interpretation comment.**

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21.04.2026

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Sayfa / Toplam Sayfa 2/2
Page / Total Pages

Modern Karton San. Tic A.Ş.
Ulaş OSB Mah. D100 Cad., No: 77 - 33,
59930 Ergene, Tekirdag
TURKEY

Fürth, 21 April 2026

TEST REPORT No. FUFDCP2026-01887

Date sample received: 02 April 2026
Testing period: 07 April 2026 - 21 April 2026
Technical Director: Kerstin Scharrer
Food contact testing according to client's request
Testing according to: Reg(EC)1935/2004

Abbreviations

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**	= Outsourcing
#	= Subsequent delivery
CS	= Combined sample
F	= failed
n.a.	= not applicable
n.d.	= not determinable (< RL)
ND	= not detectable
P	= passed
RL	= Reporting limit
SML	= specific migration limit
SMR	= specific migration reference value
SRL	= specific release limit

Sample description: 261004159-Mod Liner Premium White, Material: Cardboard



1. PFAS in Water Extract

Test method: DIN EN 645:1994-01 (CWE) / 12.02.01.01_PFAS (2023-01)*

Reporting limit (RL) in µg/l simulant (see table)

Specific weight: 1.3 g/dm²

Results in µg/l simulant:

Parameter	Abbrev.	CAS	Results	RL
Perfluorobutanoic acid	PFBA [PFC C4]	375-22-4	n.d.	1.0
Perfluoropentanoic acid	PFPeA [PFC C5]	2706-90-3	n.d.	1.0
Perfluorohexanoic acid	PFHxA [PFC C6]	307-24-4	n.d.	1.0
Perfluoroheptanoic acid	PFHpA [PFC C7]	375-85-9	n.d.	1.0
Perfluorooctanoic acid	PFOA [PFC C8]	335-67-1	n.d.	1.0
Perfluorononanoic acid	PFNA [PFC C9]	375-95-1	n.d.	1.0
Perfluorodecanoic acid	PFDA [PFC C10]	335-76-2	n.d.	1.5
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Perfluorododecanoic acid	PFDoA [PFC C12]	307-55-1	n.d.	1.5
Perfluorotridecanoic acid	PFTTrDA [PFC C13]	72629-94-8	n.d.	1.5
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Perfluorohexanesulfonic acid	PFHxS [PFS C6]	355-46-4	n.d.	1.0
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Perfluorododecanesulfonic acid	PFDoDS [PFS C12]	79780-39-5	n.d.	1.0
Perfluorotridecanesulfonic acid	PFTTrDS [PFS C13]	n.a.	n.d.	1.0
Perfluorooctanesulfonamide	PFOSA	754-91-6	n.d.	1.0
N-Methyl-Perfluorooctanesulfonamide	N-Me-FOSA	31506-32-8	n.d.	1.0
N-Ethyl-Perfluorooctanesulfonamide	N-Et-FOSA	4151-50-2	n.d.	1.0
N-Methyl-Perfluorooctanesulfonamidoethanol	N-Me-FOSE alcohol	24448-09-7	n.d.	1.0
N-Ethyl-Perfluorooctanesulfonamidoethanol	N-Et-FOSE alcohol	1691-99-2	n.d.	1.0
N-(Perfluoro-1-octanesulfonyl) glycine	FOSAA	2806-24-8	n.d.	1.0
N-Methylperfluoro-1-octanesulfonamidoacetic acid	N-Me-FOSAA	2355-31-9	n.d.	1.0
N-Ethylperfluoro-1-octanesulfonamidoacetic acid	N-Et-FOSAA	2991-50-6	n.d.	1.0
2H,2H,3H,3H-Perfluoroundecanoic acid	4HPFUnA	34598-33-9	n.d.	1.0
Perfluoro-3,7-dimethyloctanoic acid	PF-3,7-DMOA	172155-07-6	n.d.	1.5

Parameter	Abbrev.	CAS	Results	RL
7H-Dodecafluoroheptane carboxylate	HPFHpA	1546-95-8	n.d.	10
2H,2H-Perfluorodecan carboxylate	H2PFDA	27854-31-5	n.d.	2.5
1H,1H,2H,2H-Perfluorohexanesulfonic acid	4:2 FTS	757124-72-4	n.d.	1.0
1H,1H,2H,2H-Perfluorooctanesulfonic acid	6:2 FTS	27619-97-2	n.d.	1.0
1H,1H,2H,2H-Perfluorodecanesulfonic acid	8:2 FTS	39108-34-4	n.d.	1.0
1H,1H,2H,2H-Perfluorododecanesulfonic acid	10:2 FTS	120226-60-0	n.d.	1.0
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid	HFPO-DA	13252-13-6	n.d.	1.0
Ammonium 4,8-dioxa-3H-perfluorononanoate	ADONA	958445-44-8	n.d.	1.0
1H,1H,2H,2H-Perfluorohexanol	4:2 FTOH	2043-47-2	n.d.	40
1H,1H,2H,2H-Perfluorooctanol	6:2 FTOH	647-42-7	n.d.	10
1H,1H,2H,2H-Perfluorodecanol	8:2 FTOH	678-39-7	n.d.	10
1H,1H,2H,2H-Perfluorododecanol	10:2 FTOH	865-86-1	n.d.	10
1H,1H,2H,2H-Perfluorotetradecanol	12:2 FTOH	39239-77-5	n.d.	10

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Vanessa Blitz
 Sachverständige / Technical Expert
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MUAYENE VE ANALİZ BULGUSU
EXAMINATION & ANALYSIS DOCUMENT

Bulgu / Revizyon No / Document / Revision No: S261004158		Yayımlandığı Tarih/ Date: 21.04.2026
Analizin Amacı/ Purpose of Analysis: -		
Müşteri Bilgileri / Customer Information		
Müşteri Adı / Customer Name	Modern Karton San. Tic. A.Ş.	
Adres / Address	Ulaş OSB Mah. D100 Cad., No: 77 /33, 59930, , Ergene, Tekirdağ, TURKEY,	
Numune Bilgileri / Sample Information		
Adı / Name	Mod Liner White	Numunenin Fotoğrafi / Sample Photo 
Üretici Adı / Producer Name		
Tanımı ve Seri - Parti No / Description and Batch Number		
Üretim ve Son Kullanma T.-TETT/ Production & Expiry Date-BBE		
Ambalajı ve Miktarı / Package and Quantity	1x60 g şeffaf poşet / transparent bag	
İlgili Kişi / Contact Person	Rumeysa Saraç [rumeysa.sarac@modernkarton.com.tr]	
Numune kabul tarihi/saat / Sample received / transport by/time	31.03.2026 16:22 kargo / parcel services	
Numune alım sıcaklığı / Sample temp when received		
Numuneyi teslim alan ve mühür/alındığı yer-tarih/ Submitted by & Seal/location-date	Müşteri Mühürsüz / Client None/	
Teklif No / Quotation No	30325R1	
Analiz başlama ve bitiş zamanı / Start / End of analysis	/ 21.04.2026	
Açıklamalar / Remarks		

Bu analiz bulgusu adli -idari işlemlerde ve reklam amacıyla kullanılamaz. Bu analiz bulgusunun hiçbir bölümü laboratuvarın yazılı izni olmadan kısmen kopyalanıp, çoğaltılamaz, tek başına veya ayrı ayrı kullanılamaz. Müşteri bilgileri ve numune bilgileri müşteri tarafından sağlanmıştır. Laboratuvar numune alma faaliyetini gerçekleştirmediği için sonuçlar teslim alınan numune için geçerlidir. Bilginin müşteri tarafından sağlandığı durumlar hariç, bulguda verilen tüm bilgilerden laboratuvarımız sorumludur. Bu bulgu (üst yazı ve ekler dahil), müşteri tarafından sağlanan numuneye ait tanım, talimat, bilgi, materyal ve/veya koşullar temelinde bulguda belirtilen müşterinin talebine uygun olarak münhasır kullanımı için hazırlanmıştır. Analiz sonuçları yukarıda belirtilen numune için geçerlidir.

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INTERTEK TEST HİZMETLERİ A.Ş.

MUAYENE VE ANALİZ BULGUSU
EXAMINATION & ANALYSIS DOCUMENTBulgu / Revizyon No / **Document / Revision No:** S261004158Yayımlandığı Tarih/ **Date:** 21.04.2026Analizler / **Analyses**

No	Analiz Adı <i>Analysis Name</i>	Sonuç <i>Results</i>	LOQ / LOD	Ölçüm Belirsizliği <i>Uncertainty</i>	Geri Kazanım <i>Recovery</i>	Cihaz <i>Equipment</i>	Metot <i>Method</i>	Limit <i>Requirement</i>	Mevzuat <i>Regulations</i>	Değerlendirme <i>Interpretation</i>
1	(§) PFAS (§) PFAS	(§) Taşeron analiz raporu ektedir. / (§) Subcon analysis report is attached.	-		-		Method			DY : NA

LOQ: Ölçüm Limiti / **Limit of Quantification** LOD: Tespit Limiti / **Limit of Detection** DY: **NA**: Değerlendirme Yapılamadı / **Not Applicable**Bazı analizler Ar-Ge amaçlı olarak çalışmakta ve sonuçlandırılmaktadır. / **Some analyses are performed and resulted for R-D purposes in scope of private demand.**

(±) $k=2$, % 95 güven aralığında genişletilmiş ölçüm belirsizliği, numune alma belirsizliği içermeyecek şekilde hesaplanmıştır. Aksi belirtilmediği sürece analiz değerlendirilmesinde Paylaşılan Risk Karar Kuralı (Basit Kabul Kuralı) uygulanır. Farklı karar kuralı uygulanan değerlendirmeler uygunluk notu olarak belirtilmiştir. / **The reported which is not contain sampling uncertainty value uncertainty is an expanded uncertainty calculated using a coverage factor of 2 which gives a level of confidence of approximately 95%. Unless otherwise specified, the results are evaluated according to Shared Risk Decision Rule (Simple Acceptance Rule). Other evaluation rules which are applied, indicated as interpretation comment.**

(§)İşaretili analiz taşeron laboratuvarında yapılmıştır. / **(§) Marked analysis was performed at subcon laboratory.**

21.04.2026

Bu analiz bulgusu adli -idari işlemlerde ve reklam amacıyla kullanılamaz. Bu analiz bulgusunun hiçbir bölümü laboratuvarın yazılı izni olmadan kısmen kopyalanıp, çoğaltılamaz, tek başına veya ayrı ayrı kullanılamaz. Müşteri bilgileri ve numune bilgileri müşteri tarafından sağlanmıştır. Laboratuvar numune alma faaliyetini gerçekleştirmediği için sonuçlar teslim alınan numune için geçerlidir. Bilginin müşteri tarafından sağlandığı durumlar hariç, bulguda verilen tüm bilgilerden laboratuvarımız sorumludur. Bu bulgu (üst yazı ve ekler dahil), müşteri tarafından sağlanan numuneye ait tanım, talimat, bilgi, materyal ve/veya koşullar temelinde bulguda belirtilen müşterinin talebine uygun olarak münhasır kullanımı için hazırlanmıştır. Analiz sonuçları yukarıda belirtilen numune için geçerlidir.

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Bulgu Sonu / **End of document**

Intertek Test Hizmetleri A.Ş.
Merkez Mahallesi Sanayi Caddesi No:23 Altındağ Plaza
Yenibosna - İstanbul 34197
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Faks : 0 212 652 36 02
e-mail: intertek.turkey@hs01.kep.tr, foodlab.turkey@intertek.com

Sayfa / Toplam Sayfa 2/2
Page / Total Pages

Modern Karton San. Tic A.Ş.
Ulaş OSB Mah. D100 Cad., No: 77 - 33,
59930 Ergene, Tekirdag
TURKEY

Fürth, 21 April 2026

TEST REPORT No. FUFDCP2026-01886

Date sample received: 02 April 2026
Testing period: 07 April 2026 - 21 April 2026
Technical Director: Kerstin Scharrer
Food contact testing according to client's request
Testing according to: Reg(EC)1935/2004

Abbreviations

* = Test method is not part of the accreditation scope
** = Outsourcing
= Subsequent delivery
CS = Combined sample
F = failed
n.a. = not applicable
n.d. = not determinable (< RL)
ND = not detectable
P = passed
RL = Reporting limit
SML = specific migration limit
SMR = specific migration reference value
SRL = specific release limit

Sample description: 261004158-Mod Liner White, Material: Cardboard



1. PFAS in Water Extract

Test method: DIN EN 645:1994-01 (CWE) / 12.02.01.01_PFAS (2023-01)*

Reporting limit (RL) in µg/l simulant (see table)

Specific weight: 1.2 g/dm²

Results in µg/l simulant:

Parameter	Abbrev.	CAS	Results	RL
Perfluorobutanoic acid	PFBA [PFC C4]	375-22-4	n.d.	1.0
Perfluoropentanoic acid	PFPeA [PFC C5]	2706-90-3	n.d.	1.0
Perfluorohexanoic acid	PFHxA [PFC C6]	307-24-4	n.d.	1.0
Perfluoroheptanoic acid	PFHpA [PFC C7]	375-85-9	n.d.	1.0
Perfluorooctanoic acid	PFOA [PFC C8]	335-67-1	n.d.	1.0
Perfluorononanoic acid	PFNA [PFC C9]	375-95-1	n.d.	1.0
Perfluorodecanoic acid	PFDA [PFC C10]	335-76-2	n.d.	1.5
Perfluoroundecanoic acid	PFUdA [PFC C11]	2058-94-8	n.d.	1.5
Perfluorododecanoic acid	PFDoA [PFC C12]	307-55-1	n.d.	1.5
Perfluorotridecanoic acid	PFTTrDA [PFC C13]	72629-94-8	n.d.	1.5
Perfluorotetradecanoic acid	PFTeDA [PFC C14]	376-06-7	n.d.	1.5
Perfluorobutanesulfonic acid	PFBS [PFS C4]	375-73-5	n.d.	1.0
Perfluoropentanesulfonic acid	PFPeS [PFS C5]	2706-91-4	n.d.	1.0
Perfluorohexanesulfonic acid	PFHxS [PFS C6]	355-46-4	n.d.	1.0
Perfluoroheptanesulfonic acid	PFHpS [PFS C7]	375-92-8	n.d.	1.0
Perfluorooctanesulfonic acid	PFOS [PFS C8]	1763-23-1	n.d.	1.0
Perfluorononanesulfonic acid	PFNS [PFS C9]	474511-07-4	n.d.	1.0
Perfluorodecanesulfonic acid	PFDS [PFS C10]	335-77-3	n.d.	1.0
Perfluoroundecanesulfonic acid	PFUnDS [PFS C11]	749786-16-1	n.d.	1.0
Perfluorododecanesulfonic acid	PFDoDS [PFS C12]	79780-39-5	n.d.	1.0
Perfluorotridecanesulfonic acid	PFTTrDS [PFS C13]	n.a.	n.d.	1.0
Perfluorooctanesulfonamide	PFOSA	754-91-6	n.d.	1.0
N-Methyl-Perfluorooctanesulfonamide	N-Me-FOSA	31506-32-8	n.d.	1.0
N-Ethyl-Perfluorooctanesulfonamide	N-Et-FOSA	4151-50-2	n.d.	1.0
N-Methyl-Perfluorooctanesulfonamidoethanol	N-Me-FOSE alcohol	24448-09-7	n.d.	1.0
N-Ethyl-Perfluorooctanesulfonamidoethanol	N-Et-FOSE alcohol	1691-99-2	n.d.	1.0
N-(Perfluoro-1-octanesulfonyl) glycine	FOSAA	2806-24-8	n.d.	1.0
N-Methylperfluoro-1-octanesulfonamidoacetic acid	N-Me-FOSAA	2355-31-9	n.d.	1.0
N-Ethylperfluoro-1-octanesulfonamidoacetic acid	N-Et-FOSAA	2991-50-6	n.d.	1.0
2H,2H,3H,3H-Perfluoroundecanoic acid	4HPFUnA	34598-33-9	n.d.	1.0
Perfluoro-3,7-dimethyloctanoic acid	PF-3,7-DMOA	172155-07-6	n.d.	1.5

Parameter	Abbrev.	CAS	Results	RL
7H-Dodecafluoroheptane carboxylate	HPFHpA	1546-95-8	n.d.	10
2H,2H-Perfluorodecan carboxylate	H2PFDA	27854-31-5	n.d.	2.5
1H,1H,2H,2H-Perfluorohexanesulfonic acid	4:2 FTS	757124-72-4	n.d.	1.0
1H,1H,2H,2H-Perfluorooctanesulfonic acid	6:2 FTS	27619-97-2	n.d.	1.0
1H,1H,2H,2H-Perfluorodecanesulfonic acid	8:2 FTS	39108-34-4	n.d.	1.0
1H,1H,2H,2H-Perfluorododecanesulfonic acid	10:2 FTS	120226-60-0	n.d.	1.0
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid	HFPO-DA	13252-13-6	n.d.	1.0
Ammonium 4,8-dioxa-3H-perfluorononanoate	ADONA	958445-44-8	n.d.	1.0
1H,1H,2H,2H-Perfluorohexanol	4:2 FTOH	2043-47-2	n.d.	40
1H,1H,2H,2H-Perfluorooctanol	6:2 FTOH	647-42-7	n.d.	10
1H,1H,2H,2H-Perfluorodecanol	8:2 FTOH	678-39-7	n.d.	10
1H,1H,2H,2H-Perfluorododecanol	10:2 FTOH	865-86-1	n.d.	10
1H,1H,2H,2H-Perfluorotetradecanol	12:2 FTOH	39239-77-5	n.d.	10

Intertek Consumer Goods GmbH
Vanessa Blitz
 Sachverständige / Technical Expert
 Vanessa Blitz

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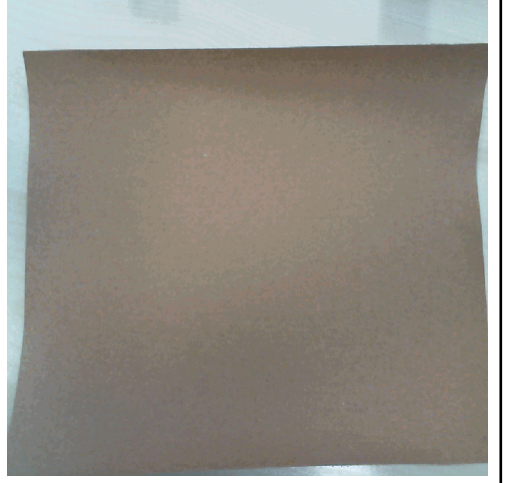
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END OF REPORT

INTERTEK TEST HİZMETLERİ A.Ş.

MUAYENE VE ANALİZ BULGUSU
EXAMINATION & ANALYSIS DOCUMENT

Bulgu / Revizyon No / Document / Revision No: S261004157		Yayımlandığı Tarih/ Date: 21.04.2026
Analizin Amacı/ Purpose of Analysis: -		
Müşteri Bilgileri / Customer Information		
Müşteri Adı / Customer Name	Modern Karton San. Tic. A.Ş.	
Adres / Address	Ulaş OSB Mah. D100 Cad., No: 77 /33, 59930, , Ergene, Tekirdağ, TURKEY,	
Numune Bilgileri / Sample Information		
Adı / Name	Mod Liner	Numunenin Fotoğrafi / Sample Photo 
Üretici Adı / Producer Name		
Tanımı ve Seri - Parti No / Description and Batch Number		
Üretim ve Son Kullanma T.-TETT/ Production & Expiry Date-BBE		
Ambalajı ve Miktarı / Package and Quantity	1x60 g şeffaf poşet / transparent bag	
İlgili Kişi / Contact Person	Rumeysa Saraç [rumeysa.sarac@modernkarton.com.tr]	
Numune kabul tarihi/saat / Sample received / transport by/time	31.03.2026 16:22 kargo / parcel services	
Numune alım sıcaklığı / Sample temp when received		
Numuneyi teslim alan ve mühür/alındığı yer-tarih/ Submitted by & Seal/location-date	Müşteri Mühürsüz / Client None/	
Teklif No / Quotation No	30325R1	
Analiz başlama ve bitiş zamanı / Start / End of analysis	/ 21.04.2026	
Açıklamalar / Remarks		

Bu analiz bulgusu adli -idari işlemlerde ve reklam amacıyla kullanılamaz. Bu analiz bulgusunun hiçbir bölümü laboratuvarın yazılı izni olmadan kısmen kopyalanıp, çoğaltılamaz, tek başına veya ayrı ayrı kullanılamaz. Müşteri bilgileri ve numune bilgileri müşteri tarafından sağlanmıştır. Laboratuvar numune alma faaliyetini gerçekleştirmediği için sonuçlar teslim alınan numune için geçerlidir. Bilginin müşteri tarafından sağlandığı durumlar hariç, bulguda verilen tüm bilgilerden laboratuvarımız sorumludur. Bu bulgu (üst yazı ve ekler dahil), müşteri tarafından sağlanan numuneye ait tanım, talimat, bilgi, materyal ve/veya koşullar temelinde bulguda belirtilen müşterinin talebine uygun olarak münhasır kullanımı için hazırlanmıştır. Analiz sonuçları yukarıda belirtilen numune için geçerlidir.

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INTERTEK TEST HİZMETLERİ A.Ş.

MUAYENE VE ANALİZ BULGUSU
EXAMINATION & ANALYSIS DOCUMENTBulgu / Revizyon No / **Document / Revision No:** S261004157Yayımlandığı Tarih/ **Date:** 21.04.2026Analizler / **Analyses**

No	Analiz Adı <i>Analysis Name</i>	Sonuç <i>Results</i>	LOQ / LOD	Ölçüm Belirsizliği <i>Uncertainty</i>	Geri Kazanım <i>Recovery</i>	Cihaz <i>Equipment</i>	Metot <i>Method</i>	Limit <i>Requirement</i>	Mevzuat <i>Regulations</i>	Değerlendirme <i>Interpretation</i>
1	(§) PFAS (§) PFAS	(§) Taşeron analiz raporu ektedir. / (§) Subcon analysis report is attached.	-		-		Method			DY : NA

LOQ: Ölçüm Limiti / **Limit of Quantification** LOD: Tespit Limiti / **Limit of Detection** DY: **NA**: Değerlendirme Yapılamadı / **Not Applicable**Bazı analizler Ar-Ge amaçlı olarak çalışmakta ve sonuçlandırılmaktadır. / **Some analyses are performed and resulted for R-D purposes in scope of private demand.**

(±) k=2 , % 95 güven aralığında genişletilmiş ölçüm belirsizliği, numune alma belirsizliği içermeyecek şekilde hesaplanmıştır. Aksi belirtilmediği sürece analiz değerlendirilmesinde Paylaşılan Risk Karar Kuralı (Basit Kabul Kuralı) uygulanır. Farklı karar kuralı uygulanan değerlendirmeler uygunluk notu olarak belirtilmiştir. / **The reported which is not contain sampling uncertainty value uncertainty is an expanded uncertainty calculated using a coverage factor of 2 which gives a level of confidence of approximately 95%. Unless otherwise specified, the results are evaluated according to Shared Risk Decision Rule (Simple Acceptance Rule). Other evaluation rules which are applied, indicated as interpretation comment.**

(§)İşaretili analiz taşeron laboratuvarında yapılmıştır. / **(§) Marked analysis was performed at subcon laboratory.**

21.04.2026

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Bulgu Sonu / **End of document**

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Sayfa / Toplam Sayfa 2/2
Page / Total Pages

Modern Karton San. Tic A.Ş.
Ulaş OSB Mah. D100 Cad., No: 77 - 33,
59930 Ergene, Tekirdag
TURKEY

Fürth, 21 April 2026

TEST REPORT No. FUFDCP2026-01885

Date sample received: 02 April 2026
Testing period: 07 April 2026 - 21 April 2026
Technical Director: Kerstin Scharrer
Food contact testing according to client's request
Testing according to: Reg(EC)1935/2004

Abbreviations

*	= Test method is not part of the accreditation scope
**	= Outsourcing
#	= Subsequent delivery
CS	= Combined sample
F	= failed
n.a.	= not applicable
n.d.	= not determinable (< RL)
ND	= not detectable
P	= passed
RL	= Reporting limit
SML	= specific migration limit
SMR	= specific migration reference value
SRL	= specific release limit

Sample description: 261004157-Mod Liner, Material: Cardboard



1. PFAS in Water Extract

Test method: DIN EN 645:1994-01 (CWE) / 12.02.01.01_PFAS (2023-01)*

Reporting limit (RL) in µg/l simulant (see table)

Specific weight: 0.95 g/dm²

Results in µg/l simulant:

Parameter	Abbrev.	CAS	Results	RL
Perfluorobutanoic acid	PFBA [PFC C4]	375-22-4	n.d.	1.0
Perfluoropentanoic acid	PFPeA [PFC C5]	2706-90-3	n.d.	1.0
Perfluorohexanoic acid	PFHxA [PFC C6]	307-24-4	n.d.	1.0
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N-Ethyl-Perfluorooctanesulfonamide	N-Et-FOSA	4151-50-2	n.d.	1.0
N-Methyl-Perfluorooctanesulfonamidoethanol	N-Me-FOSE alcohol	24448-09-7	n.d.	1.0
N-Ethyl-Perfluorooctanesulfonamidoethanol	N-Et-FOSE alcohol	1691-99-2	n.d.	1.0
N-(Perfluoro-1-octanesulfonyl) glycine	FOSAA	2806-24-8	n.d.	1.0
N-Methylperfluoro-1-octanesulfonamidoacetic acid	N-Me-FOSAA	2355-31-9	n.d.	1.0
N-Ethylperfluoro-1-octanesulfonamidoacetic acid	N-Et-FOSAA	2991-50-6	n.d.	1.0
2H,2H,3H,3H-Perfluoroundecanoic acid	4HPFUnA	34598-33-9	n.d.	1.0
Perfluoro-3,7-dimethyloctanoic acid	PF-3,7-DMOA	172155-07-6	n.d.	1.5

Parameter	Abbrev.	CAS	Results	RL
7H-Dodecafluoroheptane carboxylate	HPFHpA	1546-95-8	n.d.	10
2H,2H-Perfluorodecan carboxylate	H2PFDA	27854-31-5	n.d.	2.5
1H,1H,2H,2H-Perfluorohexanesulfonic acid	4:2 FTS	757124-72-4	n.d.	1.0
1H,1H,2H,2H-Perfluorooctanesulfonic acid	6:2 FTS	27619-97-2	n.d.	1.0
1H,1H,2H,2H-Perfluorodecanesulfonic acid	8:2 FTS	39108-34-4	n.d.	1.0
1H,1H,2H,2H-Perfluorododecanesulfonic acid	10:2 FTS	120226-60-0	n.d.	1.0
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid	HFPO-DA	13252-13-6	n.d.	1.0
Ammonium 4,8-dioxa-3H-perfluorononanoate	ADONA	958445-44-8	n.d.	1.0
1H,1H,2H,2H-Perfluorohexanol	4:2 FTOH	2043-47-2	n.d.	40
1H,1H,2H,2H-Perfluorooctanol	6:2 FTOH	647-42-7	n.d.	10
1H,1H,2H,2H-Perfluorodecanol	8:2 FTOH	678-39-7	n.d.	10
1H,1H,2H,2H-Perfluorododecanol	10:2 FTOH	865-86-1	n.d.	10
1H,1H,2H,2H-Perfluorotetradecanol	12:2 FTOH	39239-77-5	n.d.	10

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