

TEST REPORT



Test Report No. GGN/H(FCM)/26/002828

Dated. 2026.08.17

Sample Image(s) (As Received)



Sample A - Krisper Container
4500H (4500 ml) (Natural)

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Dated. 2026.08.17

Applicant / Company Name : All Time Plastics Ltd
Address : Plot No.377/1 (1&2) & 371/1(C), Kachigam Char Rasta,
Daman (U.T) 396210
Attention / Contact Person : Zarir Patel
Date of Sample Receipt : Received on 2025.12.10 at 06:55 P.M.
Test Period : 2025.12.11 To 2026.02.04 (**)
Article / Sample Description : Krisper Container 4500H (4500 ml) (Natural)
Colour : Transparent - Natural
Product Type / End Use : Storage Container
Barcode : 8902084037076
HSN Code : 39241090
Buyer : N.A
Agent : N.A
Supplier : N.A
Season : N.A
Country Of Origin : India
Country Of Destination : N.A

Note:

1. The submitted sample(s) is / are Not Drawn by the Laboratory
2. Unless otherwise agreed upon, PASS or FAIL verdicts are given based on the measured values without any considerations of measurement uncertainties. Every test method has a measurement uncertainty which has been evaluated by the laboratory and are available on request. By taking measurement uncertainties into account, it might happen that measured values can neither be assessed as PASS nor as FAIL"
3. Disclaimer: The testing approach, the testing methods, and the reported results in this report demonstrate compliance or non-compliance to the client's requirements which were mutually agreed at the contract review and stipulated in the quotation. The testing approach, the testing methods, and the reported results may not or only partially fulfil the associated requirements of the applicable regulations.
4. The laboratory will retain the sample(s) for 45 days except for the mandatory retention period specified by the Regulatory Bodies and unless otherwise specified by the client.

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Remarks:

(**) As this is a Documentary Report and all the Tests have been conducted, and results are incorporated from report No. GGN/H(FCM)/25/004302 as requested by applicant.

Authorized By

Verma, Parvesh Kumar
(Authorised Signatory)

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Note: The test report is electronically generated. Hence original signature is not required.

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Summary of Test Result(s)

S. No.	Test(s)	Conclusion (#)
1.	Overall Migration	Pass
2.	Specific migration of heavy metals	Pass
3.	Total Lead Content	Pass
4.	Total Cadmium Content	Pass
5.	Bisphenol A (BPA) content	Observations / Refer Results
6.	Determination of Volatile organic matter	Pass
7.	Air leakage test	Observations / Refer results
(# For details regarding specification(s) / regulation(s) based on which compliance is decided, refer test details.		

Material list / List of material(s) (As confirmed by applicant)

Component No.	Component description	Material	Color	Remarks
Sample A - Krisper Container 4500H (4500 ml) (Natural)				
A1	Container	PET	Transparent	Same as A1 of Report No. GGN/H(FCM)/25 /004302
A2	Lid	PET	Transparent	Same as A1
A3	Flap in the Lid	PP	Grey	Same as A3 of Report No. GGN/H(FCM)/25 /004302
A4	Silicone Gasket	Silicon	Grey	Same as A4 of Report No. GGN/H(FCM)/25 /004302
A5	Stopper in the Flap	Silicon	Grey	Same as A4

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Sampling plan (As requested by applicant)

S. No.	Test	Component No.		
1.	Overall Migration	A1	A4	
2.	Specific migration of heavy metals	A1	A4	
3.	Total Lead Content	A1	A3	A4
4.	Total Cadmium Content	A1	A3	A4
5.	Bisphenol A (BPA) content	A1	A3	A4
6.	Determination of Volatile organic matter	A4		

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Test Result(s):

Overall Migration

Test Specification(s) / Regulation(s): Commission Regulation (EU) No. 10/2011 & its amendment (EU) 2025/351 and Framework regulation (EC) No 1935/2004.

Test method(s) adopted: EN 1186:2022.

Simulant(s) used: Refer below.

Test condition(s): Refer below; (Repeated use /3 Migration).

Surface area to volume / Migration ratio: Sample: A1: 2.16dm²: 9g

S. No.	Simulant	Test condition	Result (mg/dm ²) – Component No. A1			Stability	Conclusion
			1 st Mig.	2 nd Mig.	3 rd Mig.		
1.	MPPO	40°C for 10 days	ND	ND	ND	Comply§	Pass

Limit of quantification: 3.0 mg/dm²

Maximum Permissible Limit (mg/dm²): 10

Note:

1. The standard measurement uncertainty, u(m), of the analytical method is 20%.
2. § The compliance of the stability of the tested material shall be evaluated by applying the stability rule stated in point 3.3.2 under Chapter 3 of Annex V of Regulation (EU) No 10/2011 and its amendments. Please refer to Remark #1 in Appendix for further information.

Overall Migration

Test Specification(s) / Regulation(s): Resolution ResAP (2004)5 on Silicones to be used for food Contact Applications.

Test method(s) adopted: EN 1186:2022.

Simulant(s) used: Refer below.

Test condition(s): Refer below; (Repeated use /3 Migration).

Surface area to volume / Migration ratio: Sample: A4: 0.64dm²: 3g

S. No.	Simulant	Test condition	Result (mg/dm ²) – Component No. A4			Stability	Conclusion
			1 st Mig.	2 nd Mig.	3 rd Mig.		
1.	MPPO	40°C for 10 days	ND	ND	ND	Comply§	Pass

Limit of quantification: 3.0 mg/dm²

Maximum Permissible Limit (mg/dm²): 10

Note:

1. The standard measurement uncertainty, u(m), of the analytical method is 20%.
2. § The compliance of the stability of the tested material shall be evaluated by applying the stability rule stated in point 3.3.2 under Chapter 3 of Annex V of Regulation (EU) No 10/2011 and its amendments. Please refer to Remark #1 in Appendix for further information.

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Specific migration of heavy metals

Test Specification(s) / Regulation(s): Commission Regulation (EU) 2020/1245 amending and Correcting Regulation (EU) 10/2011 & amendment (EU) 2025/351 Framework regulation (EC) No 1935/2004.

Test method(s) adopted: EN 13130-1:2004 for exposure part followed by analysis using ICP – MS.

Simulant(s) used: 3% Acetic Acid

Test condition(s): 40°C for 10 days; (Repeated use /3 Migration).

Equipment(s) used: ICP – MS (Inductively Coupled Plasma – Mass Spectrometer).

Surface area to volume / Migration ratio: Sample: A1: 2.16dm²: 400ml

S. No	Heavy metal	Result (mg/kg) (*) – Component No. A1			Limit of Quantification (mg/kg)	Compliance requirement Limit Max. (mg/kg)	Stability	Conclusion
		1 st Mig.	2 nd Mig.	3 rd Mig.				
1.	Aluminium (as Al)	ND	ND	ND	0.1	1	Comply§	Pass
2.	Antimony (as Sb)	ND	ND	ND	0.01	0.04	Comply§	Pass
3.	Arsenic (As)	ND	ND	ND	0.01	ND(DL:0.01)	Comply§	Pass
4.	Barium (as Ba)	ND	ND	ND	0.1	1	Comply§	Pass
5.	Cadmium (as Cd)	ND	ND	ND	0.002	ND (DL:0.002)	Comply§	Pass
6.	Chromium (as Cr)	ND	ND	ND	0.01	ND (DL:0.01)	Comply§	Pass
7.	Cobalt (as Co)	ND	ND	ND	0.01	0.05	Comply§	Pass
8.	Copper (as Cu)	ND	ND	ND	0.5	5	Comply§	Pass
9.	Europium (as Eu)	ND	ND	ND	0.01	Sum of (Eu+Gd+La+ Tb): < 0.05 mg/kg	Comply§	Pass
10.	Gadolinium (as Gd)	ND	ND	ND	0.01		Comply§	Pass
11.	Lanthanum (as La)	ND	ND	ND	0.01		Comply§	Pass
12.	Terbium (as Tb)	ND	ND	ND	0.01		Comply§	Pass
13.	Lead (as Pb)	ND	ND	ND	0.01	ND (DL:0.01)	Comply§	Pass
14.	Lithium (as Li)	ND	ND	ND	0.01	0.6	Comply§	Pass
15.	Manganese (as Mn)	ND	ND	ND	0.05	0.6	Comply§	Pass
16.	Mercury (as Hg)	ND	ND	ND	0.01	ND (DL:0.01)	Comply§	Pass
17.	Nickel (as Ni)	ND	ND	ND	0.01	0.02	Comply§	Pass
18.	Iron (as Fe)	ND	ND	ND	5	48	Comply§	Pass
19.	Zinc (as Zn)	ND	ND	ND	0.5	5	Comply§	Pass

Note:

- * The compliance with the specific migration limit shall be evaluated by applying the specific performance criterion stated in Annex V of Regulation (EU) No 10/2011 and its amendments. Please refer to Remark #2 in Appendix for further information.
- § The compliance of the stability of the tested material shall be evaluated by applying the stability rule stated in point 2.1.6 under Chapter 2 of Annex V of Regulation (EU) No 10/2011 and its amendments. Please refer to Remark #1 in Appendix for further information.

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Specific migration of heavy metals

Test Specification(s) / Regulation(s): Commission Regulation (EU) 2020/1245 amending and Correcting Regulation (EU) 10/2011 & amendment (EU) 2025/351 Framework regulation (EC) No 1935/2004.

Test method(s) adopted: EN 13130-1:2004 for exposure part followed by analysis using ICP – MS.

Simulant(s) used: 3% Acetic Acid

Test condition(s): 40°C for 10 days; (Repeated use /3 Migration).

Equipment(s) used: ICP – MS (Inductively Coupled Plasma – Mass Spectrometer).

Surface area to volume / Migration ratio: Sample: A4: 0.64dm²: 100ml

S. No	Heavy metal	Result (mg/kg) (*) – Component No. A4			Limit of Quantification (mg/kg)	Compliance requirement Limit Max. (mg/kg)	Stability	Conclusion
		1 st Mig.	2 nd Mig.	3 rd Mig.				
1.	Aluminium (as Al)	ND	ND	ND	0.1	1	Comply§	Pass
2.	Antimony (as Sb)	ND	ND	ND	0.01	0.04	Comply§	Pass
3.	Arsenic (As)	ND	ND	ND	0.01	ND(DL:0.01)	Comply§	Pass
4.	Barium (as Ba)	ND	ND	ND	0.1	1	Comply§	Pass
5.	Cadmium (as Cd)	ND	ND	ND	0.002	ND (DL:0.002)	Comply§	Pass
6.	Chromium (as Cr)	ND	ND	ND	0.01	ND (DL:0.01)	Comply§	Pass
7.	Cobalt (as Co)	ND	ND	ND	0.01	0.05	Comply§	Pass
8.	Copper (as Cu)	ND	ND	ND	0.5	5	Comply§	Pass
9.	Europium (as Eu)	ND	ND	ND	0.01	Sum of (Eu+Gd+La+ Tb): < 0.05 mg/kg	Comply§	Pass
10.	Gadolinium (as Gd)	ND	ND	ND	0.01		Comply§	Pass
11.	Lanthanum (as La)	ND	ND	ND	0.01		Comply§	Pass
12.	Terbium (as Tb)	ND	ND	ND	0.01		Comply§	Pass
13.	Lead (as Pb)	ND	ND	ND	0.01	ND (DL:0.01)	Comply§	Pass
14.	Lithium (as Li)	ND	ND	ND	0.01	0.6	Comply§	Pass
15.	Manganese (as Mn)	ND	ND	ND	0.05	0.6	Comply§	Pass
16.	Mercury (as Hg)	ND	ND	ND	0.01	ND (DL:0.01)	Comply§	Pass
17.	Nickel (as Ni)	ND	ND	ND	0.01	0.02	Comply§	Pass
18.	Iron (as Fe)	ND	ND	ND	5	48	Comply§	Pass
19.	Zinc (as Zn)	ND	ND	ND	0.5	5	Comply§	Pass

Note:

1. * The compliance with the specific migration limit shall be evaluated by applying the specific performance criterion stated in Annex V of Regulation (EU) No 10/2011 and its amendments. Please refer to Remark #2 in Appendix for further information.

2. § The compliance of the stability of the tested material shall be evaluated by applying the stability rule stated in point 2.1.6 under Chapter 2 of Annex V of Regulation (EU) No 10/2011 and its amendments. Please refer to Remark #1 in Appendix for further information.

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Total Lead Content

Test Specification(s) / Regulation(s): REACH Regulation (EC) No 1907/2006 (Annex XVII) & its amendments (Entry level / No.: 63);

Test method(s) adopted: GTP_Chem_CPS_25134C -Non-Metal (Acid digestion followed by analysis using ICP-MS));

Equipment(s) used: Inductively Coupled Plasma – Mass Spectrometer (ICP – MS).

S. No.	Component No.	Test Result (mg/kg)	Limit of quantification (mg/kg)	Compliance Requirement(s) / Limit Max (mg/kg)	Conclusion
1.	A1	ND	10.0	Less than 500 mg/kg	Pass
2.	A3	ND	10.0	Less than 500 mg/kg	Pass
3.	A4	ND	10.0	Less than 500 mg/kg	Pass

Total Cadmium Content

Test Specification(s) / Regulation(s): REACH Regulation (EC) No 1907/2006 (Annex XVII) & its amendments (Entry level / No.: 23);

Test method(s) adopted: EN 16711-1 (Acid digestion followed by analysis using ICP-MS));

Equipment(s) used: Inductively Coupled Plasma – Mass Spectrometer (ICP – MS).

S. No.	Component No.	Test Result (mg/kg)	Limit of Quantification (mg/kg)	Compliance Requirement(s) / Limit Max	Conclusion
1.	A1	ND	10.0	Less than 100 mg/kg	Pass
2.	A3	ND	10.0	Less than 100 mg/kg	Pass
3.	A4	ND	10.0	Less than 100 mg/kg	Pass

Bisphenol A (BPA) content

Test Specification(s): As Per Applicant's Specification.

Test method(s) adopted: GTP_Chem_CPS_25120 E

Equipment(s) used: LC – MS/MS (Liquid Chromatograph – Mass Spectrometer/ Mass Spectrometer).

S. No.	Component No.	Result (mg/kg)	Limit of quantification (mg/kg)
1.	A1	ND	0.2
2.	A3	ND	0.2
3.	A4	ND	0.2

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Determination of Volatile organic matter

Test Specification(s) / Regulation(s): BFR Recommendation XV.

Test method adopted: GTP_Chem_CPS_25508A.

Test Condition: 200°C for 4 hours;

S. No.	Component No.	Test Result (%)	Maximum permissible limit (%)	Conclusion
1.	A4	0.07	≤ 0.5	Pass

Air Leakage Test

Test Specification(s) / Requirement(s): As per Applicant's specified test conditions.

Test method(s) adopted: IHTM – A062

Tested Sample	Test Result(s) / Observation(s)
Sample A - Krisper Container 4500H (4500 ml) (Natural) (As received)	No visual change observed Overall weight change– 0.0055% Rating – Can be air-tight: $0.10\% \leq x \leq 0.60\%$
Sample A - Krisper Container 4500H (4500 ml) (Natural) (after dishwashing)	No visual change observed Overall weight change– 0.0058% Rating – Can be air-tight: $0.10\% \leq x \leq 0.60\%$

Abbreviations

“mg/kg” denotes milligram per kilogram & is equivalent to ppm (parts per million); “ND” denotes Not Detected or below limit of quantification; “°C” denotes degree Celsius; “%” denotes percent; “%”.

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Appendix

1. According to Point 3.3.2 under Chapter 3 of Annex V of Regulation (EU) No 10/2011 and its amendments, the stability of repeated use material or article, the sample shall be considered non-compliant if:
 $m_{,3} > \text{OML}$, or,
 $m_{,1} < m_{,2}$, or,
 $m_{,2} < m_{,3}$, or,
 $m_{,1} < m_{,3}$
 The compliance with the OML and the stability rule shall be evaluated applying the following criteria:
 - If $(m_{,3} - \text{OML})/[(u(m_{,3}))] > 1.64$, then the third migration is higher than the OML,
 - If $(m_{,2} - m_{,1})/[(u(m_{,2}) + u(m_{,1}))] > 1.64$, then the first migration is smaller than the second migration,
 - If $(m_{,3} - m_{,2})/[(u(m_{,3}) + u(m_{,2}))] > 1.64$, then the second migration is smaller than the third migration,
 - If $(m_{,3} - m_{,1})/[(u(m_{,3}) + u(m_{,1}))] > 1.64$, the first migration is smaller than the third migration.

Where:
 - **OML** is the overall migration limit
 - **m** is the overall migration test result
 - **m_{,1}, m_{,2} and m_{,3}** are respectively the m during the first, the second and the third migration test
 - **u(m)** is the standard measurement uncertainty of m of the analytical method as determined by the laboratory.
2. According to Annex V of Regulation (EU) No 10/2011 and its amendments, the compliance with the SML shall be determined by evaluating m_c against the SML by applying the following specific performance criterion:

 If $(m_c - \text{SML})/[(u(m_c))] > 1.64$, then m_c exceeds the SML

Where:
 - **SML** is the specific migration limit
 - **m_c** is the specific migration test result of a substance
 - **u(m_c)** is the standard measurement uncertainty of m_c , which shall be determined by $u(m_c) = \text{CV}_R \times m_c$
 - **CV_R** is the reproducibility coefficient of variation
 - **CV_R = 0.22** for $m_c < 0.12 \times 10^{-6}$ kg/kg and
 - **CV_R = $2^{(1-\frac{1}{2}\log(m_c))}/100$** for 0.12×10^{-6} kg/kg $\leq m_c \leq 0.138$ kg/kg
3. According to Point 2.1.6 under Chapter 2 of Annex V of Regulation (EU) No 10/2011 and its amendments, the stability of repeated use material or article, the sample shall be considered non-compliant if:
 $m_{c,3} > \text{SML}$, or,
 $m_{c,1} < m_{c,2}$, or,
 $m_{c,2} < m_{c,3}$, or,
 $m_{c,1} < m_{c,3}$
 The compliance with the SML and the stability rule shall be evaluated applying the following criteria:
 - If $(m_{c,3} - \text{SML})/[(u(m_{c,3}))] > 1.64$, then the third migration is higher than the SML,
 - If $(m_{c,2} - m_{c,1})/[(u(m_{c,2}) + u(m_{c,1}))] > 1.64$, then the first migration is smaller than the second migration,
 - If $(m_{c,3} - m_{c,2})/[(u(m_{c,3}) + u(m_{c,2}))] > 1.64$, then the second migration is smaller than the third migration,
 - If $(m_{c,3} - m_{c,1})/[(u(m_{c,3}) + u(m_{c,1}))] > 1.64$, the first migration is smaller than the third migration.

Where:
 - **SML** is the specific migration limit
 - **m_c** is the specific migration test result of a substance
 - **m_{c,1}, m_{c,2} and m_{c,3}** are respectively the m_c during the first, the second and the third migration test
 - **u(m_c)** is the standard measurement uncertainty of m_c , which shall be determined by $u(m_c) = \text{CV}_R \times m_c$
 - **CV_R** is the reproducibility coefficient of variation
 - **CV_R = 0.22** for $m_c < 0.12 \times 10^{-6}$ kg/kg and
 - **CV_R = $2^{(1-\frac{1}{2}\log(m_c))}/100$** for 0.12×10^{-6} kg/kg $\leq m_c \leq 0.138$ kg/kg

--- END OF THE TEST REPORT ---