

# TEST REPORT



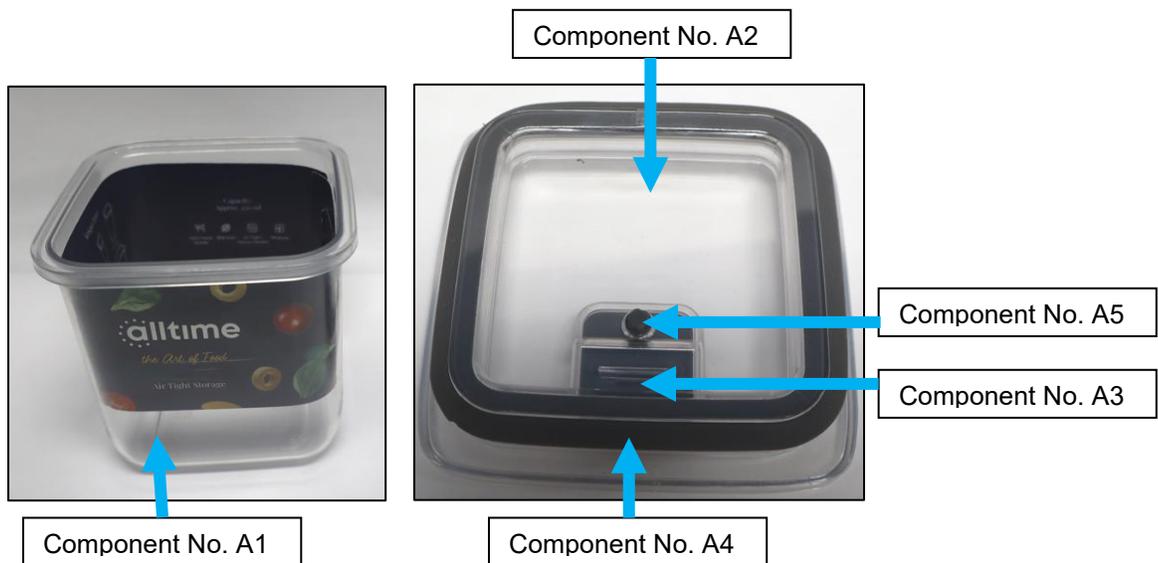
Test Report No. GGN/H(FCM)/25/004302

Dated. 2026.02.04

## Sample Image(s) (As Received)



Sample A - Krisper Container 450H (450 ml) Natural



# Test Report No. GGN/H(FCM)/25/004302

Dated. 2026.02.04



**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 450H (450 ml) Natural  
**Colour** : Transparent - Natural  
**Product Type / End Use** : Storage Container  
**Barcode** : 8902084018822  
**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.



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## Remarks:

1. Sample(s) is / are tested as on-received basis.
2. Test(s) performed as requested by applicant.
3. Conclusion(s) of the test(s) was drawn as per compliance requirement(s) specified by applicant.
4. Test "Bisphenol A (BPA) content" was subcontracted to TÜV SÜD South Asia Pvt. Ltd., Ranipet, India
5. (##) Marked Test is not under ISO/IEC 17025:2017 accreditation

## Authorized By

Verma, Parvesh Kumar  
(Authorised Signatory)

## Authorized By

Atal Anand  
(Authorised Signatory)

## Please Contact:

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For any complaint: Ashima Sapra at: [Ashima.Sapra@tuv sud.com](mailto:Ashima.Sapra@tuv sud.com)

By accepting this document, the customer hereby agrees and accepts the 'Terms & Conditions' and the relevant 'Testing & Certification Regulations' of TÜV SÜD South Asia Pvt Ltd. which are available at Company's website at the link-<https://www.tuvsud.com/en-in/terms-and-conditions>

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

Note: (1) The results relate only to the items tested, (2) The test report shall not be reproduced except in full without the written approval of the laboratory (3) Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. For further details, please see testing and certification regulation, chapter A-3.4. (4) The correctness of the information related to sample(s) in the Test Request Form/Customer letterhead/Email is the customer's responsibility. The laboratory reports the said information in the test report and is not liable for the same, (5) The testing conditions are followed as per the reported test standard. For additional test conditions apart from the reported test conditions laboratory can be contacted for details

Laboratory:  
TÜV SÜD South Asia Pvt. Ltd.  
373 Udyog Vihar Phase II  
Sector 20  
Gurgaon – 122016

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**TÜV®**  
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# Test Report No. GGN/H(FCM)/25/004302

Dated. 2026.02.04

## 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
A	Krisper Container 450H (450 ml) Natural	PET / PP / Silicon	Transparent / Grey	-
A1	Container	PET	Transparent	-
A2	Lid	PET	Transparent	Same as A1
A3	Flap in the Lid	PP	Grey	-
A4	Silicone Gasket	Silicon	Grey	-
A5	Stopper in the Flap	Silicon	Grey	Same as A4

## 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		



# Test Report No. GGN/H(FCM)/25/004302

Dated. 2026.02.04

## Test Result(s):

### Overall Migration

Test Specification(s) / Regulation(s): Commission Regulation (EU) No. 10/2011 & its amendments 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: 2.16dm<sup>2</sup>: 9g

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

Limit of quantification: 2.0 mg/dm<sup>2</sup>

Maximum Permissible Limit (mg/dm<sup>2</sup>): 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: 0.64dm<sup>2</sup>: 3g

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

Limit of quantification: 2.0 mg/dm<sup>2</sup>

Maximum Permissible Limit (mg/dm<sup>2</sup>): 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.



# Test Report No. GGN/H(FCM)/25/004302

Dated. 2026.02.04

## Specific migration of heavy metals

Test Specification(s) / Regulation(s): Commission Regulation (EU) 2020/1245 amending and Correcting Regulation (EU) 10/2011 and 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: 2.16dm<sup>2</sup>: 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 <sup>st</sup> Mig.	2 <sup>nd</sup> Mig.	3 <sup>rd</sup> 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	0.10	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	0.1	5	Comply§	Pass
9.	Europium (as Eu)	ND	ND	ND	0.01	0.05	Comply§	Pass
10.	Gadolinium (as Gd)	ND	ND	ND	0.01	0.05	Comply§	Pass
11.	Iron (as Fe)	ND	ND	ND	0.1	48	Comply§	Pass
12.	Lanthanum (as La)	ND	ND	ND	0.01	0.05	Comply§	Pass
13.	Lead (as Pb)	ND	ND	ND	0.01	ND (DL:0.01)	Comply§	Pass
14.	Lithium (as Li)	ND	ND	ND	0.1	0.6	Comply§	Pass
15.	Manganese (as Mn)	ND	ND	ND	0.05	0.6	Comply§	Pass
16.	Mercury (as Hg)	ND	ND	ND	0.005	ND (DL:0.01)	Comply§	Pass
17.	Nickel (as Ni)	ND	ND	ND	0.01	0.02	Comply§	Pass
18.	Terbium (as Tb)	ND	ND	ND	0.01	0.05	Comply§	Pass
19.	Zinc (as Zn)	ND	ND	ND	0.1	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 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.



# Test Report No. GGN/H(FCM)/25/004302

Dated. 2026.02.04

## Specific migration of heavy metals

Test Specification(s) / Regulation(s): Commission Regulation (EU) 2020/1245 amending and Correcting Regulation (EU) 10/2011 and 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: 0.64dm<sup>2</sup>: 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 <sup>st</sup> Mig.	2 <sup>nd</sup> Mig.	3 <sup>rd</sup> 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	0.10	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	0.1	5	Comply§	Pass
9.	Europium (as Eu)	ND	ND	ND	0.01	0.05	Comply§	Pass
10.	Gadolinium (as Gd)	ND	ND	ND	0.01	0.05	Comply§	Pass
11.	Iron (as Fe)	ND	ND	ND	0.1	48	Comply§	Pass
12.	Lanthanum (as La)	ND	ND	ND	0.01	0.05	Comply§	Pass
13.	Lead (as Pb)	ND	ND	ND	0.01	ND (DL:0.01)	Comply§	Pass
14.	Lithium (as Li)	ND	ND	ND	0.1	0.6	Comply§	Pass
15.	Manganese (as Mn)	ND	ND	ND	0.05	0.6	Comply§	Pass
16.	Mercury (as Hg)	ND	ND	ND	0.005	ND (DL:0.01)	Comply§	Pass
17.	Nickel (as Ni)	ND	ND	ND	0.01	0.02	Comply§	Pass
18.	Terbium (as Tb)	ND	ND	ND	0.01	0.05	Comply§	Pass
19.	Zinc (as Zn)	ND	ND	ND	0.1	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 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.



# Test Report No. GGN/H(FCM)/25/004302

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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



# Test Report No. GGN/H(FCM)/25/004302

Dated. 2026.02.04

<b>Determination of Volatile organic matter</b>				
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

<b>Air Leakage Test (##)</b>	
Test Specification(s) / Requirement(s): As per Applicant's specification(s); Test method(s) adopted: IHTM – A062	
Tested Sample	Test Result(s) / Observation(s)
Sample A: Krisper Container 450H (450 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 450H (450 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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Dated. 2026.02.04

## 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:  
 $m_{,3} > OML$ , 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  $(m_{,3} - OML)/[u(m_{,3})] > 1.64$ , 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<sub>,1</sub>, m<sub>,2</sub> and m<sub>,3</sub>** 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  $(m_c - SML)/[u(m_c)] > 1.64$ , then  $m_c$  exceeds the SML
- Where:**
- **SML** is the specific migration limit
  - **m<sub>c</sub>** is the specific migration test result of a substance
  - **u(m<sub>c</sub>)** is the standard measurement uncertainty of  $m_c$ , which shall be determined by  $u(m_c) = CV_R \times m_c$
  - **CV<sub>R</sub>** is the reproducibility coefficient of variation
  - **CV<sub>R</sub> = 0.22** for  $m_c < 0.12 \times 10^{-6}$  kg/kg and
  - **CV<sub>R</sub> =  $2^{(1-\frac{1}{2}\log(m_c))}/100$**  for  $0.12 \times 10^{-6}$  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:  
 $m_{c,3} > SML$ , 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  $(m_{c,3} - SML)/[u(m_{c,3})] > 1.64$ , 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<sub>c</sub>** is the specific migration test result of a substance
  - **m<sub>c,1</sub>, m<sub>c,2</sub> and m<sub>c,3</sub>** are respectively the  $m_c$  during the first, the second and the third migration test
  - **u(m<sub>c</sub>)** is the standard measurement uncertainty of  $m_c$ , which shall be determined by  $u(m_c) = CV_R \times m_c$
  - **CV<sub>R</sub>** is the reproducibility coefficient of variation
  - **CV<sub>R</sub> = 0.22** for  $m_c < 0.12 \times 10^{-6}$  kg/kg and
  - **CV<sub>R</sub> =  $2^{(1-\frac{1}{2}\log(m_c))}/100$**  for  $0.12 \times 10^{-6}$  kg/kg  $\leq m_c \leq 0.138$  kg/kg

--- END OF THE TEST REPORT ---