

Test Report

No. CANEC1612295201

Date: 08 Jul 2023

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CHANGZHOU HUISU QINYE IMPORT & EXPORT CO., LTD
 11F HUASHENG BUILDING, ZHONGLOU DISTRICT, CHANGZHOU CITY,
 JIANGSU PROVINCE CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : RIGID PVC FILM

SGS Job No. : CP16-039226 - GZ
 Date of Sample Received : 27 Jun 2023
 Testing Period : 27 Jun 2023 - 08 Jul 2023
 Test Requested : Selected test(s) as requested by client.
 Test Method : Please refer to next page(s).
 Test Results : Please refer to next page(s).

Result Summary :

Test Requested	Conclusion
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments– Overall migration	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments– Specific Migration of Phthalates	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments– Specific Migration of Bisphenol A	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments– Specific Migration of Heavy Metal	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments– Residual vinyl chloride monomer	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments – Phthalates content	PASS

Conclusion : The tested parameters comply with the requirement stated in Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004.



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Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch



Ivy Ren
Approved Signatory



Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN16-122952.001	Transparent plastic sheet	PVC

Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments– Overall migration

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test methods; or EN 1186-14:2002 substitute test.

Simulant Used	Time	Temperature	Max. Permissible Limit	Result of 001 Overall Migration	Comment
95% Ethanol	240.0hr(s)	40°C	10mg/dm ²	<3.0mg/dm ²	PASS
Isooctane	48.0hr(s)	20°C	10mg/dm ²	<3.0mg/dm ²	PASS

Notes :

1. mg/dm² = milligram per square decimeter
2. °C = degree Celsius

Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments–Specific Migration of Phthalates

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN13130-1:2004 for selection of test method, analysis was performed by GC-MS.

Sample 001

Simulant Used : 95% Ethanol
 Test Condition : 40 °C 240.0 hr(s)

Test Item(s)	CAS NO.	Max. Permissible Limit	Unit	MDL	Test result
Migration times		-	-	-	1st
Area/Volume		-	sq.dm/kg	-	6.0
Dibutyl Phthalate(DBP)	84-74-2	0.3	mg/kg	0.05	ND
Benzylbutyl Phthalate(BBP)	85-68-7	30	mg/kg	0.05	ND
Di (2-ethylhexyl) Phthalate(DEHP)	117-81-7	1.5	mg/kg	0.05	ND



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Sum (DINP+DIDP)	-	9	mg/kg	0.20	ND
Diallyl Phthalate (DAP)	131-17-9	0.01	mg/kg	0.01	ND
Comment					PASS

Sample 001

Simulant Used : Isooctane
 Test Condition : 20 °C 48.0 hr(s)

Test Item(s)	CAS NO.	Max. Permissible Limit	Unit	MDL	Test result
Migration times		-	-	-	1st
Area/Volume		-	sq.dm/kg	-	6.0
Dibutyl Phthalate(DBP)	84-74-2	0.3	mg/kg	0.05	ND
Benzylbutyl Phthalate(BBP)	85-68-7	30	mg/kg	0.05	ND
Di (2-ethylhexyl) Phthalate(DEHP)	117-81-7	1.5	mg/kg	0.05	ND
Sum (DINP+DIDP)	-	9	mg/kg	0.20	ND
Diallyl Phthalate(DAP)	131-17-9	0.01	mg/kg	0.01	ND
Comment					PASS

Notes :

1. mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. MDL=Method Detection Limit
4. ND= Not Detected(less than MDL)

Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments—Specific Migration of Bisphenol A

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN13130-1:2004 for selection of test method, analysis was performed by HPLC-FLD&LC-MS.

Sample 001

Simulant Used : 95% Ethanol
 Test Condition : 40 °C 240.0 hr(s)

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	1st
Area/Volume	-	sq.dm/kg	-	6.0



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Specific migration of Bisphenol-A 0.6 mg/kg 0.2 ND
Comment **PASS**

Sample 001

Simulant Used : Isooctane
 Test Condition : 20 °C 48.0 hr(s)

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	1st
Area/Volume	-	sq.dm/kg	-	6.0
Specific migration of Bisphenol-A	0.6	mg/kg	0.2	ND
Comment				PASS

Notes :

1. mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. MDL=Method Detection Limit
4. ND = Not Detected(less than MDL)

Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments—Specific Migration of Heavy Metal

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN13130-1:2004 for selection of test method, analysis was performed by ICP-OES.

Sample 001

Simulant Used : 95% Ethanol
 Test Condition : 40 °C 240.0 hr(s)

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	1st
Area/Volume	-	sq.dm/kg	-	6.0
Extractable Barium	1	mg/kg	0.25	ND
Extractable Cobalt	0.05	mg/kg	0.01	ND
Extractable Copper	5	mg/kg	0.25	ND
Extractable Iron	48	mg/kg	0.25	ND
Extractable Lithium	0.6	mg/kg	0.5	ND



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Extractable Manganese	0.6	mg/kg	0.25	ND
Extractable Zinc	25	mg/kg	0.5	ND
Comment				PASS

Notes :

1. mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. MDL=Method Detection Limit
4. ND= Not Detected(less than MDL)

Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments–Residual vinyl chloride monomer

Test Method : SGS In house method (GZTC CHEM-TOP-049-01), analysis was performed by HS-GC-MS.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
VCM(Vinyl Chloride Monomer)	1	mg/kg	0.5	ND
Comment				PASS

Notes :

1. mg/kg = milligram per kilogram
2. MDL=Method Detection Limit
3. ND= Not Detected(less than MDL)

Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments –Phthalates content

Test Method : Solvent extraction (GZTC CHEM-TOP-042-05), analysis was performed by GC-MS.

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Dibutyl Phthalate (DBP)	84-74-2	0.05	%(w/w)	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%(w/w)	0.003	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	0.1	%(w/w)	0.003	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	0.1	%(w/w)	0.01	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 / 68515-49-1	0.1	%(w/w)	0.01	ND
Comment				PASS	

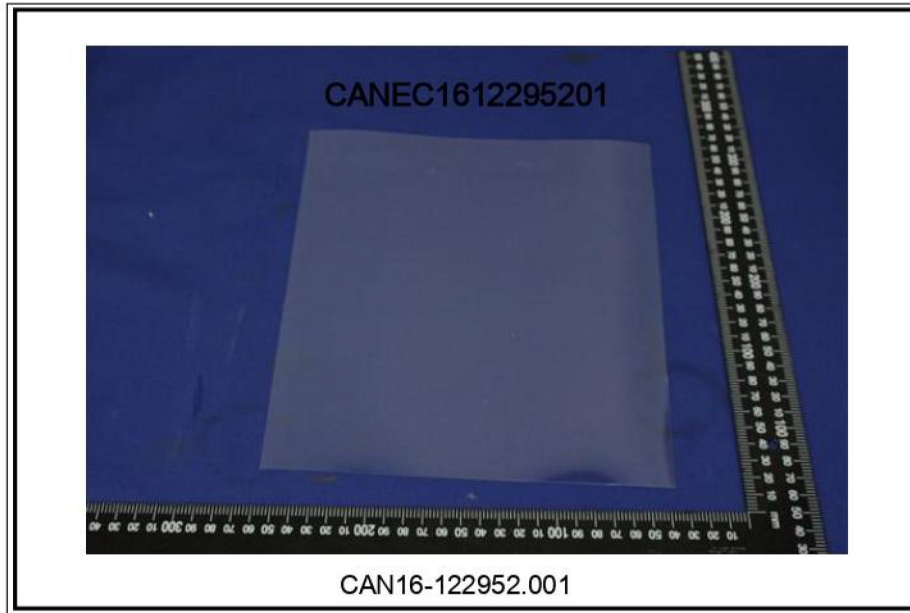
Notes :

1. % = percentage of weight by weight
2. MDL=Method Detection Limit



3. ND= Not Detected(less than MDL)

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

