

Test Report

Report No.: AGC07953190501-001

Date: May 16, 2019

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Applicant: GOYA IMPORTACIONES Y DISTRIBUCIONES S.L.
Address: PLATAFORMA LOGISTICA DE ZARAGOZA C/TRAPANI 27 EDIFICIO 50197 SPAIN
Test site: 1,6/F.,Building 2,No. 1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan District, Shenzhen, Guangdong, China

Report on the submitted samples said to be:

Sample Name : TRITAN BOTTLE
Material : TRITAN, PP, Silica gel
Model : 36062
Manufacturers : GOYA IMPORTACIONES Y DISTRIBUCIONES S.L.
Address : PLATAFORMA LOGISTICA DE ZARAGOZA C/TRAPANI 27 EDIFICIO 50197 SPAIN
Buyer : GOYA IMPORTACIONES Y DISTRIBUCIONES S.L.
Sample Receiving Date : May 09, 2019
Testing Period : May 09, 2019 to May 16, 2019

Test Requested : Please refer to next page(s).
Test Method : Please refer to next page(s).
Test Result : Please refer to next page(s).

Approved by: _____

Liulinwen, Lewis

Technical Director



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Test Requested:

Conclusion

1. As specified by client, to determine the Lead compounds content in the submitted sample(s) with reference to entry 63, Annex XVII of the REACH Regulation (EC) No 1907/2006.

Pass

2. As specified by client, to determine the Cadmium(Cd)content in the Submitted sample(s) with reference to entry 23, Annex XVII of the REACH Regulation (EC) No 1907/2006.

Pass

3. As specified by client, to determine the phthalates content in the submitted sample(s) with reference to entry 51 and its amendment (EU)2018/2005& entry 52, Annex XVII of the REACH Regulation (EC) No 1907/2006 and Amendment Regulation (EC) No 552/2009.

Pass

4.As specified by client, to determine the Bisphenol A content in the submitted samples in accordance with the French law No 2012-1442.

Pass

Part1: TRITAN

5. As specified by client, to test sample with reference to Regulation 1935/2004/EC, Council of Europe Resolution EU (No) 10/2011& (EU)2016/1416&(EU)2017/752 for:

-Overall Migration(10%(v/v) Ethanol, 3% (w/v)acetic acid)

Pass

-Special Migration of Primary Aromatic Amine

Pass

-Migration of Heavy metals

Pass

Part2: PP

6. As specified by client, to test sample with reference to Regulation 1935/2004/EC, Council of Europe Resolution EU (No) 10/2011& (EU)2016/1416&(EU)2017/752 for:

-Overall Migration(10%(v/v) Ethanol, 3% (w/v)acetic acid)

Pass

-Special Migration of Primary Aromatic Amine

Pass

-Migration of Heavy metals

Pass

Part 3: Silicone material

7. As specified by client, to test sample with reference to Regulation 1935/2004/EC , Council of Europe Resolution AP (2004) 5 for:

-Overall Migration(3%(w/v) Acetic acid, 10%(v/v) Ethanol)

Pass

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Test Results:

1. Test Result(s) of Pb:

Unit: mg/kg

Test Item(s)	Test Method/ Equipment	MDL	Result(s)				Limit
			1	2	3	4	
Lead (Pb)	IEC 62321-5:2013	5	24	N.D.	N.D.	N.D.	500
Conclusion	ICP-OES	/	Pass	Pass	Pass	Pass	/

- Note:**
1. MDL=Method Detection Limit
 2. N.D.=Not Detected(less than method detection limit)
 - 3.As specified by client, only test the designated sample

2. Test Result(s) of Cd:

Test Item(s)	Test Method/ Equipment	MDL	Result(s)			Limit
			2	3	4	
Cadmium (Cd)	IEC 62321-5:2013	5	N.D.	N.D.	N.D.	100
Conclusion	ICP-OES	/	Pass	Pass	Pass	/

- Note:**
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 2. N.D.=Not Detected(less than method detection limit)
 - 3.As specified by client, only test the designated sample

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3. Test Result(s) of phthalates content:

Unit: %,w/w

Test Item(s)	Test Method/ Equipment	MDL	Result(s)			Limit
			2	3	4	
Dibutyl phthalate (DBP)	Refer to EN 14372:2004 GC-MS	0.01	N.D.	N.D.	N.D.	0.1
Butylbenzyl phthalate (BBP)		0.01	N.D.	N.D.	N.D.	0.1
Di- (2-ethylhexyl) phthalate (DEHP)		0.01	N.D.	N.D.	N.D.	0.1
Diisobutyl phthalate (DIBP)		0.01	N.D.	N.D.	N.D.	0.1
Sum of DBP+BBP+DEHP+DIBP		—	N.D.	N.D.	N.D.	0.1
Di-n-octyl phthalate (DNOP)		0.01	N.D.	N.D.	N.D.	—
Di-isononyl phthalate (DINP)		0.01	N.D.	N.D.	N.D.	
Di-isodecyl phthalate (DIDP)		0.01	N.D.	N.D.	N.D.	
Sum of DNOP+DINP+DIDP		—	N.D.	N.D.	N.D.	0.1
Conclusion			/	Pass	Pass	Pass

- Note:**
1. MDL=Method Detection Limit
 2. N.D.=Not Detected(less than method detection limit)
 - 3.As specified by client, only test the designated sample

4.Test Result(s) of BPA:

Unit: mg/kg

Test Item(s)	Test Method/ Equipment	MDL	Result(s)			Limit
			2	3	4	
BPA	Refer to EPA 3540C:1996& EPA 8321B:2007 LC-MS-MS	1	N.D.	N.D.	N.D.	Absent
Conclusion		/	Pass	Pass	Pass	/

- Note:**
1. MDL=Method Detection Limit
 2. N.D.=Not Detected(less than method detection limit)
 3. As specified by client, only test the designated sample.

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Part 1: TRITAN

5.1 Test Result(s) of Overall Migration

Unit: mg/dm²

Test Solution	Test condition	MDL	Test Result(s)	Limit
			4	
10% (v/v) Ethanol	70°C, 2h	5	N.D.	10
3% (w/v) acetic acid	70°C, 2h	5	N.D.	10
Conclusion	/	/	Pass	/

Note: 1. N.D.=not detected (less than method detection limit)

2. MDL=method detection limit

5.2.Migration of Heavy metals

Unit: mg/kg

Test Item(s)	Test condition/ Equipment	MDL	Test Result(s)	Limit
			3% (w/v) Acetic acid	
			4	
Aluminum(Al) (M)	70°C, 2h / ICP-OES	0.5	N.D.	1
Barium (Ba) (M)		0.25	N.D.	1
Cobalt (Co) (M)		0.01	N.D.	0.05
Copper (Cu) (M)		0.25	N.D.	5
Iron (Fe) (M)		0.25	N.D.	48
Lithium (Li) (M)		0.5	N.D.	0.6
Manganese (Mn) (M)		0.25	N.D.	0.6
Zinc (Zn) (M)		0.5	N.D.	5
Nickel (Ni) (M)		0.01	N.D.	0.02
Conclusion		/	/	Pass

Note: 1. N.D.=not detected (less than method detection limit)

2. M= Migration

3. MDL= method detection limit

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5.3. Test Result(s) of Special Migration of Primary Aromatic Amine

Unit: mg/kg

Test Solution	Test condition/ Equipment	MDL	Test Result(s)	Limit
			4	
3% (w/v) Acetic acid	70°C, 2h/GC-MS	0.01	N.D.	0.01
Conclusion	/	/	Pass	/

Note: 1. N.D.=not detected (less than method detection limit)
2. MDL=method detection limit

Part 2: PP

Test Result(s):

6.1 Test Result(s) of Overall Migration

Unit: mg/dm²

Test Solution	Test condition	MDL	Test Result(s)	Limit
			2	
10% (v/v) Ethanol	70°C, 2h	5	N.D.	10
3% (w/v) acetic acid	70°C, 2h	5	N.D.	10
Conclusion	/	/	Pass	/

Note: 1. N.D.=not detected (less than method detection limit)
2. MDL=method detection limit

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6.2. Migration of Heavy metals

Unit: mg/kg

Test Item(s)	Test condition/ Equipment	MDL	Test Result(s)	Limit
			3% (w/v) Acetic acid	
			2	
Aluminum(Al) (M)	70°C, 2h / ICP-OES	0.5	N.D.	1
Barium (Ba) (M)		0.25	N.D.	1
Cobalt (Co) (M)		0.01	N.D.	0.05
Copper (Cu) (M)		0.25	N.D.	5
Iron (Fe) (M)		0.25	N.D.	48
Lithium (Li) (M)		0.5	N.D.	0.6
Manganese (Mn) (M)		0.25	N.D.	0.6
Zinc (Zn) (M)		0.5	N.D.	5
Nickel (Ni) (M)		0.01	N.D.	0.02
Conclusion			/	Pass

Note: 1. N.D.=not detected (less than method detection limit)

2. M= Migration

3. MDL= method detection limit

6.3. Test Result(s) of Special Migration of Primary Aromatic Amine

Unit: mg/kg

Test Solution	Test condition/ Equipment	MDL	Test Result(s)	Limit
			2	
3% (w/v) Acetic acid	70°C, 2h/GC-MS	0.01	N.D.	0.01
Conclusion	/	/	Pass	/

Note: 1. N.D.=not detected (less than method detection limit)

2. MDL=method detection limit

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Part 3: Silicone

7. Test Result(s) of Overall Migration

Unit: mg/dm²

Test Solution	Test condition	MDL	Test Result(s)	Limit
			3	
3%(w/v) Acetic acid	70°C, 2h	5	N.D.	10
10%(v/v) Ethanol	70°C, 2h	5	N.D.	10
Conclusion	/	/	Pass	/

Note: 1. N.D.=not detected (less than method detection limit)

2. MDL=method detection limit

Sample Description

1	Bottle body
2	Metal lid
3	Grey plastic
4	Silicone piece

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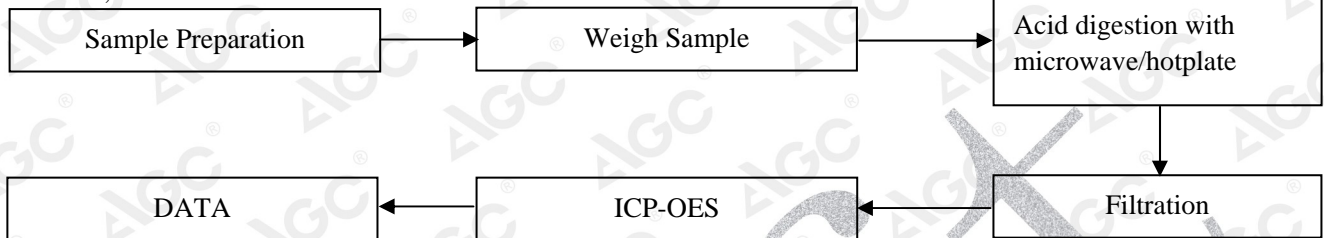
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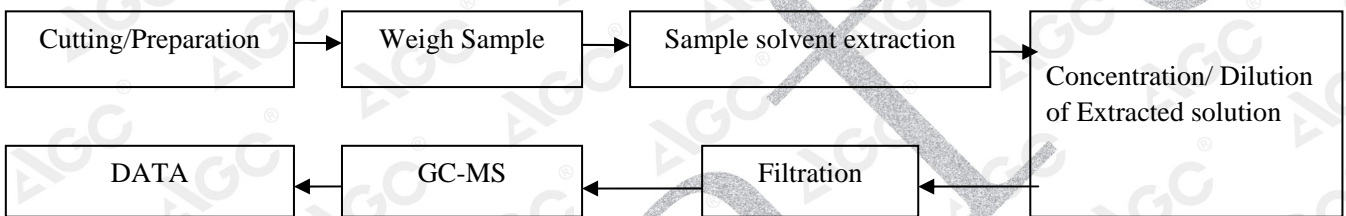
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Test Flow Chart

1.For Pb,Cd



2.For phthalates



The photo of the sample



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AGC authenticates the photo on the original report only

*** End of Report***

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