

Test Report

Report No.: AGC07953200101-002

Date : Feb.25, 2020

Page 1 of 9

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 sample(s) said to be:

Sample Name : FLASK
Item No. : 33545/31028/37538/50008
Material : See Sample Description
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 Received Date : Jan.06, 2020
Testing Period : Jan.06, 2020 to Feb.25, 2020
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



The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

Test Report

Report No.: AGC07953200101-002

Date : Feb.25, 2020

Page 2 of 9

Test Requested:

1. As specified by client, to test sample with reference to German Food, Articles of Daily Use and Feed Code of September, 2005(LFGB), Section 30 & 31 for:
-Sensory analysis

Conclusion

Pass

Part 1: Aluminum material

1. As specified by client, to test sample with reference to German Food, Articles of Daily Use and Feed Code of September, 2005(LFGB), Section 30 & 31, Technical Guide on Metals and alloys used in food contact materials of Council of Europe Resolution CM/Res(2013)9for:
- Specific migration of heavy metal from metal and alloys(21 heavy metals)

Pass

Part 2: PP material

3.As specified by client, to test sample with reference to German Food, Articles of Daily Use and Feed Code of September, 2005(LFGB), Section 30 & 31, Regulation 1935/2004/EC, Regulation (EU) No.10/2011, (EU)2016/1416& &(EU)2017/752& (EU)2018/213 for:
-Color Migration(3% (w/v) Acetic acid, 10% ethanol, Water)
-Overall Migration (3% (w/v) Acetic acid, 10% ethanol, 50% ethanol)
-Total Lead and Cadmium content
-Chromium, Vanadium, Zirconium and Hafnium content
-Specific Migration of Heavy metals
- Specific migration of BPA

Pass

Pass

Pass

Pass

Pass

Pass

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Test Report

Report No.: AGC07953200101-002

Date : Feb.25, 2020

Page 3 of 9

1.Sensory analysis

Test method: with reference to DIN 10955:2004 for sensory analysis

Test Item(s)	Test Result(s)	Maximum Permissible Limit
	2	
Sensorial examination odour(point scale)	0	2.5
Sensorial examination taste(point scale)	0	2.5

Remark

Odour / Taste	Grade
No difference from natural sample	0
Just barely perceivable difference	1
Weak but definable difference	2
Clearly perceivable difference	3
Strong difference	4

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Test Report

Report No.: AGC07953200101-002

Date : Feb.25, 2020

Page 4 of 9

Part 1: Aluminum

2.Test Result(s) of Specific migration of heavy metal from metal and alloys(21 heavy metals):

Unit: mg/kg

Test Item(s)	Test condition/ Equipment	MDL	Test Result(s)	Limit
			2-1	
			1 st + 2 nd extractives	
Barium (Ba)	Artificial tap water, 70°C, 2h ICP-OES	0.1	N.D.	8.4
Copper (Cu)		0.1	N.D.	28
Iron (Fe)		0.1	N.D.	280
Tin (Sn)		0.1	N.D.	700
Chromium (Cr)		0.01	N.D.	1.75
Manganese (Mn)		0.1	N.D.	12.6
Zinc (Zn)		0.1	N.D.	35
Aluminium (Al)		0.1	N.D.	35
Lithium (Li)		0.01	N.D.	0.336
Beryllium (Be)		0.005	N.D.	0.07
Vanadium (V)		0.005	N.D.	0.07
Nickel (Ni)		0.01	N.D.	0.98
Cobalt (Co)		0.01	N.D.	0.14
Arsenic (As)		0.002	N.D.	0.014
Molybdenum(Mo)		0.01	N.D.	0.84
Silver (Ag)		0.01	N.D.	0.56
Cadmium (Cd)		0.002	N.D.	0.035
Antimony (Sb)		0.01	N.D.	0.28
Mercury (Hg)		0.002	N.D.	0.021
Thallium (Tl)		0.0001	N.D.	0.0007
Lead (Pb)		0.01	N.D.	0.07
Conclusion		/	Pass	/

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Test Report

Report No.: AGC07953200101-002

Date : Feb.25, 2020

Page 5 of 9

Unit: mg/kg

Test Item(s)	Test condition/ Equipment	MDL	Test Result(s)	Limit
			3 rd extractives	
			2-1	
Barium (Ba)	Artificial tap water, 70°C, 2h ICP-OES	0.1	N.D.	1.2
Copper (Cu)		0.1	N.D.	4
Iron (Fe)		0.1	N.D.	40
Tin (Sn)		0.1	N.D.	100
Chromium (Cr)		0.01	N.D.	0.25
Manganese (Mn)		0.1	N.D.	1.8
Zinc (Zn)		0.1	N.D.	5
Aluminium (Al)		0.1	N.D.	5
Lithium (Li)		0.01	N.D.	0.048
Beryllium (Be)		0.005	N.D.	0.01
Vanadium (V)		0.005	N.D.	0.01
Nickel (Ni)		0.01	N.D.	0.14
Cobalt (Co)		0.01	N.D.	0.02
Arsenic (As)		0.002	N.D.	0.002
Molybdenum(Mo)		0.01	N.D.	0.12
Silver (Ag)		0.01	N.D.	0.08
Cadmium (Cd)		0.002	N.D.	0.005
Antimony (Sb)		0.01	N.D.	0.04
Mercury (Hg)		0.002	N.D.	0.003
Thallium (Tl)		0.0001	N.D.	0.0001
Lead (Pb)	0.01	N.D.	0.01	
Conclusion		/	Pass	/

- Note:**
1. N.D.=Not Detected (less than method detection limit)
 2. MDL=method detection limit

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Test Report

Report No.: AGC07953200101-002

Date : Feb.25, 2020

Page 6 of 9

Remark:

Results from all three extractives are to be considered for compliance:

- (1). Result of 3rd extractive shall not exceed the SRL;
- (2). Sum of result of 1st and 2nd extractives shall not exceed 7 times of SRL.

Part 2: PP material

3. German Food(LFGB)

Test Result (s) of color migration

Test method: with reference to Kunststoffe im Lebensmittelverkehr, Part B II IX

Test Item(s)	Test Condition	Result	Limit
		2-2	
Color migration	3%(w/v) Acetic acid, 70°C, 2h	Not recognized	Not recognized
	10%(v/v) Ethanol, 70°C, 2h	Not recognized	Not recognized
	50%(v/v) Ethanol, 70°C, 2h	Not recognized	Not recognized
Conclusion		Pass	/

Note:

1. Recognized=Dissolution of color is/are observed when comparing with blank leaching solution(s).
2. Not Recognized=Dissolution of color is/are NOT observed when comparing with blank leaching solution(s).

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Test Report

Report No.: AGC07953200101-002

Date : Feb.25, 2020

Page 7 of 9

Test result of Overall Migration

Unit: mg/dm²

Test Solution	Test Method/ Condition	MDL	Test Result(s)	Limit
			2-2	
10%(v/v) Ethanol	EN 1186-3:2002 70°C, 2h	5	N.D.	10
3% (w/v) Acetic acid		5	N.D.	10
50%(v/v) Ethanol		5	N.D.	10
Conclusion	/	/	Pass	/

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

2. MDL=method detection limit

Test result of Total Lead and Cadmium content

Unit: mg/kg

Test Item	Test Method/ Equipment	MDL	Test Result(s)	Limit
			2-2	
Lead (Pb)	EPA 3052-1996& EPA 6010D-2018 ICP-OES	2	N.D.	Absent
Cadmium (Cd)		2	N.D.	Absent
Conclusion	/	/	Pass	/

Note: -MDL=method detection limit

-N.D.=not detected (less than method detection limit)

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Test Report

Report No.: AGC07953200101-002

Date : Feb.25, 2020

Page 8 of 9

Test result of Chromium, Vanadium, Zirconium, Hafnium content

Unit: mg/kg

Test Item	Test condition/ Equipment	MDL	Test Result(s)	Limit
			2-2	
Chromium (Cr)	EPA 3052-1996& EPA 6010D-2018 ICP-OES	2	N.D.	10
Vanadium (V)		2	N.D.	20
Zirconium (Zr)		2	N.D.	100
Hafnium (Hf)		2	N.D.	100
Conclusion	/	/	Pass	/

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

Test result of Specific Migration of Heavy metals (for non-metal)

Unit: mg/kg

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

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

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.



Test Report

Report No.: AGC07953200101-002

Date : Feb.25, 2020

Page 9 of 9

Migration of BPA

Unit: mg/kg

Test Item(s)	Test Method/ Equipment	MDL	Result(s)	Limit
			3% (w/v) Acetic acid	
			2-2	
Migration of BPA	70°C, 2h / LC-MS-MS	0.02	N.D.	0.05
Conclusion		/	Pass	/

- Note:**
1. MDL=Method Detection Limit
 2. N.D.=Not Detected(less than method detection limit)

Sample Description

No.	Material	Description
2	/	FLASK
2-1	Aluminum	Bottle body
2-2	PP	Lid black plastic

The photo of the sample



AGC07953200101-002

AGC authenticate the photo on original report only

*** End of Report***

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at <http://www.agc-cert.com>.

