

QUANZHOU YIQIANG PLASTIC CO., LTD
DONGMEN INDUSTRIAL, FENGZHOU, NANAN, 362333

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : PLASTIC FOOD CONTAINER
SGS Ref No. : CAN18-042870
Style / Item No. : YQ 6858, YQ6868, YQ6888, YQ Y450, YQ Y700, YQ Y900
Manufacture : QUANZHOU YIQIANG PLASTIC CO., LTD
Supplier : QUANZHOU YIQIANG PLASTIC CO., LTD
Country of Origin : CHINA
Sample Receiving Date : Mar. 12, 2018
Test Performing Date : Mar. 12, 2018 to Apr. 4, 2018
Test Performed : Selected test(s) as requested by applicant
Test Result(s) : For further details, please refer to the following page(s)



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Result Summary :

Test Requested	Conclusion
German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments, European Commission Regulation (EU) No 10/2011 with amendments and BfR recommendation – Overall migration	PASS
German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments–Sensorial examination odour and taste test	PASS
German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments, European Commission Regulation (EU) No 10/2011 with amendments and BfR recommendation–Specific Migration of Lead and Cadmium	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments–Specific Migration of Heavy Metal	PASS
German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments, European Commission Regulation (EU) No 10/2011 with amendments and BfR recommendation–Lead and Cadmium	PASS
Polycyclic Aromatic Hydrocarbons (PAHs)	PASS

Signed for and on behalf of
SGS-CSTC Co., Ltd. Xiamen Branch



Sharky Xia
Approved Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN18-042870.001	Black plastic bowl	PP

German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments, European Commission Regulation (EU) No 10/2011 with amendments and BfR recommendation – 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 1186-9:2002 aqueous food simulants by article filling method;
or EN 1186-14:2002 substitute test

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 001 Overall Migration</u>	<u>Comment</u>
3% Acetic Acid (W/V) Aqueous Solution	2.0hr(s)	100°C	10mg/dm ²	<3.0mg/dm ²	PASS
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	100°C	10mg/dm ²	<3.0mg/dm ²	PASS
95% Ethanol	4.0hr(s)	60°C	10mg/dm ²	6.0mg/dm ²	PASS
Isooctane	2.0hr(s)	60°C	10mg/dm ²	6.4mg/dm ²	PASS

Notes :

1. mg/kg = milligram per kilogram of foodstuff in contact with
mg/dm² = milligram per square decimeter
2. °C = degree Celsius

German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments – Sensorial examination odour and taste test

Test Method : With reference to DIN10955:2004, direct contact method.
No. of panelist: 6

<u>Test Item(s)</u>	<u>Limit</u>	<u>001</u>
Test media	-	Distilled water
Test Temperature (°C)	-	100°Cx 0.5hr(s)
Sensorial examination odour (Point scale)	2.5	0.0
Sensorial examination taste (Point scale)	2.5	0.0



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Test Item(s)	Limit	001
Comment		PASS

Notes :

- Intensity scale (rounded at 0.5):
- 0 – no perceptible difference
 - 1 – just perceptible difference
 - 2 – slight difference
 - 3 – marked difference
 - 4 – strong difference

German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments, European Commission Regulation (EU) No 10/2011 with amendments and BfR recommendation–Specific Migration of Lead and Cadmium

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 13130-1:2004 for selection of test method. Analysis was performed by ICP-MS.

Sample 001

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution
 Test Condition : 100°Cx 0.5hr(s) follow by 40°Cx 10day(s)°C

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	1st
Area/Volume	-	dm ² /kg	-	3.7
Lead	★	mg/kg	0.01	ND
Cadmium	★	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)
5. ★= Absent

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



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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 : 3% Acetic Acid (W/V) Aqueous Solution
 Test Condition : 100°Cx 0.5hr(s) follow by 40°Cx 10day(s)°C

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	1st
Area/Volume	-	dm ² /kg	-	3.7
Barium	1	mg/kg	0.25	ND
Cobalt	0.05	mg/kg	0.01	ND
Copper	5	mg/kg	0.25	ND
Iron	48	mg/kg	0.25	ND
Lithium	0.6	mg/kg	0.5	ND
Manganese	0.6	mg/kg	0.25	ND
Zinc	5	mg/kg	0.5	ND
Aluminum	1	mg/kg	0.1	ND
Nickel	0.02	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)

German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments, European Commission Regulation (EU) No 10/2011 with amendments and BfR recommendation-Lead and Cadmium

Test Method : Microwave digestion (GZTC CHEM-TOP-004-01) , analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit	MDL	001
Cadmium (Cd)	★	mg/kg	2	ND
Comment				PASS
Lead (Pb)	★	mg/kg	2	ND
Comment				PASS



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Notes :

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2. MDL=Method Detection Limit
3. ND= Not Detected(less than MDL)
4. ★= Absent

Polycyclic Aromatic Hydrocarbons (PAHs)

Test Method : With reference to AfPS GS 2014:01 PAK, analysis was performed by GC-MS.

Test Item(s)	CAS NO.	Limit	Unit	MDL	001
Sum of 18 PAHs	-	1.0	mg/kg	-	0.1
Sum of 7 PAHs Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene	-	1.0	mg/kg	-	0.1
Naphthalene(NAP)	91-20-3	1.0	mg/kg	0.1	ND
Acenaphthylene(ANY)	208-96-8	-	mg/kg	0.1	ND
Acenaphthene(ANA)	83-32-9	-	mg/kg	0.1	ND
Fluorene(FLU)	86-73-7	-	mg/kg	0.1	ND
Phenanthrene(PHE)	85-01-8	-	mg/kg	0.1	ND
Anthracene(ANT)	120-12-7	-	mg/kg	0.1	ND
Fluoranthene(FLT)	206-44-0	-	mg/kg	0.1	ND
Pyrene(PYR)	129-00-0	-	mg/kg	0.1	0.1
Benzo(a)anthracene(BaA)	56-55-3	0.2	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	0.2	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	205-99-2	0.2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	0.2	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	207-08-9	0.2	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	50-32-8	0.2	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	0.2	mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	193-39-5	0.2	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	53-70-3	0.2	mg/kg	0.1	ND
Benzo(g,h,i)perylene(BPE)	191-24-2	0.2	mg/kg	0.1	ND

Notes :

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

Remark : This test was subcontracted to SGS-CSTC Co., Ltd. Guangzhou Branch.



Sample photo(s):



CAN18-042870.001

The testing report/certificate only refers to the sample(s) tested.

End of Report



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