TEST REPORT

APPLICANT	:	TAIZHOU CITY HUANGYAN RUIBOTE PLASTIC CO.,LTD
ADRESS	:	No.998 Yuxin Village, Xinqian Subdistrict, Huangyan District, Taizhou City, Zhejiang Province, China
SAMPLE DESCRIPTION	:	plastic box (PE white cap, PP green body)
SAMPLE RECEIVED DATE	:	11-Jun-2014
TURN AROUND TIME	:	11-Jun-2014 to 13-Jun-2014, 3 Working Days
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)

Eurofins（Shanghai）contact information
Customer service: ZoeGao@eurofins.com/ 021-61819254

********** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) **********

Signed for and on behalf of
Eurofins Product Testing Service (Shanghai) Co., Ltd

Chris Zhang
Lab Manager

SAMPLE PHOTO

EFSH14060668-CG-01

TO BE CONTINUED

COMPONENT LIST

Component No.	Component
1	Plastic box (PE white cap)
2	Plastic box (PP green body)

TO BE CONTINUED

TEST RESULT

Sensorial examination odour and taste test

Test Requested : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, European Commission Regulation (EU) No 10/2011 and its amendment (EU) No 1282/2011, and BfR recommendation.
Sensorial examination odour and taste test

Test Method : Robinson's test with reference to DIN 10955:1983 (2004)
Odour test condition: 70℃ 2hours
Taste test condition: 70℃ 2hours
Test media: Distilled water
No. of panelist: 5

Test Item(s)	Limit	Result	
		1	2
Sensorial examination odour (Point scale)	2.5	1.0	1.0
Sensorial examination taste (Point scale)	2.5	1.0	1.0

Scale evaluation:
0: No perceptible odour
1: Odour just perceptible (still difficult to define)
2: Moderate odour
3: Moderately strong odour
4: Strong odour

TO BE CONTINUED

TEST RESULT

Overall migration

Test Requested : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, European Commission Regulation (EU) No 10/2011 and its amendment (EU) No 1282/2011, and BfR recommendation.
For material: PP/PE -Overall migration test

Test Method : With reference to EN 1186-1:2002 for selection of conditions and test methods;
or EN1186-3:2002 aqueous food simulants by total immersion method;
or EN1186-9:2002 aqueous food simulants by article filling method;
or EN1186-2:2002 olive oil by total immersion method;
or EN1186-8:2002 olive oil by article filling method;
or EN 1186-14:2002 substitute test

Simulant used	Time	Temperature	Max. Permissible Limit	Result (mg/dm^2)	
				1	2
3% Acetic Acid	2hrs	70℃	10 mg/dm^2	<3.0	<3.0
50% Ethanol	2hrs	70℃	10 mg/dm^2	<3.0	<3.0
95% Ethanol (V/V) Aqueous Solution (Rectified Olive Oil Substitute)	2hrs	60℃	10 mg/dm^2	<3.0	<3.0
Isooctane(Rectified Olive Oil Substitute)	0.5hr	40℃	10 mg/dm^2	<3.0	<3.0

Note:
(1) Analytical tolerance of aqueous simulants is 1 mg/dm^2
(2) Analytical tolerance of fatty food simulants is 3 mg/dm^2
(3) Test condition & simulant were specified by client.

Peroxide Value

Test Requested : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, European Commission Regulation (EU) No 10/2011 and its amendment (EU) No 1282/2011, and BfR recommendation.
For material: PE–Peroxide value

Test Method : With reference to European pharmacopoeia, 2005 Appendix X F. Peroxide Value method A

Test Item(s)	Limit	Test Result
		1
Peroxide Value	Absent	Absent

TO BE CONTINUED

TEST RESULT

Chromium, Vanadium Zirconium and Hafnium content

Test Requested : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, European Commission Regulation (EU) No 10/2011 and its amendment (EU) No 1282/2011, and BfR recommendation.
For material: PP/PE - Catalyst residue, Chromium, Vanadium, Zirconium and Hafnium content

Test Method : Acid digestion, followed by analysis using ICP-OES.

Test Item(s)	Limit	Unit	MDL	Result	
				1	2
Total Chromium	10	mg/kg	5	ND	ND
Total Vanadium	20	mg/kg	20	ND	ND
Total Zirconium	100	mg/kg	20	ND	ND
Total Hafnium	100	mg/kg	20	ND	ND

Note:
(1) mg/kg =milligram per kilogram
(2) MDL = Method Detection Limit
(3) ND = Not Detected(<MDL)

Specific Migration of Heavy Metal

Test Requested : To determine the Specific Migration of Heavy Metal for compliance with European Commission Regulation (EU) No 10/2011 and its amendment (EU) No 1282/2011 on plastic materials and articles intended to come into contact with food.

Test Method : With reference to EU 10/2011 for selection of test method; analysis was performed by ICP-OES.

Simulant used: 3% Acetic Acid (W/V) Aqueous Solution.
Test condition: 70℃ 2hours

Test Item(s)	Max. Permissible limit	Unit	MDL	Test Result	
				1	2
Barium	1	mg/kg	0.25	ND	ND
Cobalt	0.05	mg/kg	0.05	ND	ND
Copper	5	mg/kg	0.25	ND	ND
Iron	48	mg/kg	0.25	ND	ND
Lithium	0.6	mg/kg	0.5	ND	ND
Manganese	0.6	mg/kg	0.25	ND	ND
Zinc	25	mg/kg	0.5	ND	ND

Note:
(1) mg/kg = milligram per kilogram
(2) MDL = Method Detection Limit
(3) ND = Not Detected(<MDL)
(4) Test condition & simulant were specified by client.

*** END OF THE REPORT ***