

TEST REPORT

APPLICANT : Xindao B.V.

ADDRESS : P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands

SAMPLE DESCRIPTION : Orbit 2.0

ITEM NO. : P262.36

COUNTRY OF ORIGIN : China

COUNTRY OF DESTINATION : Europe

SAMPLE RECEIVED DATE : 28-Jul-2017

FURTHER INFORMATION DATE : 23-Nov-2017

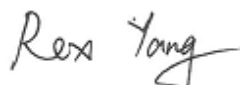
TURN AROUND TIME : 28-Jul-2017 to 24-Nov-2017

The following test item(s) was/were performed on selected sample(s) and/or component(s) appointed by applicant.

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Pentachlorophenol (PCP) Content	REACH Annex XVII, Entry 22	Pass
Leachable Lead and Cadmium	European Council Directive 84/500/EEC and its amendment Commission Directive 2005/31/EC	Pass
Specific Release of Heavy Metals	CM/Res (2013)9	Pass

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

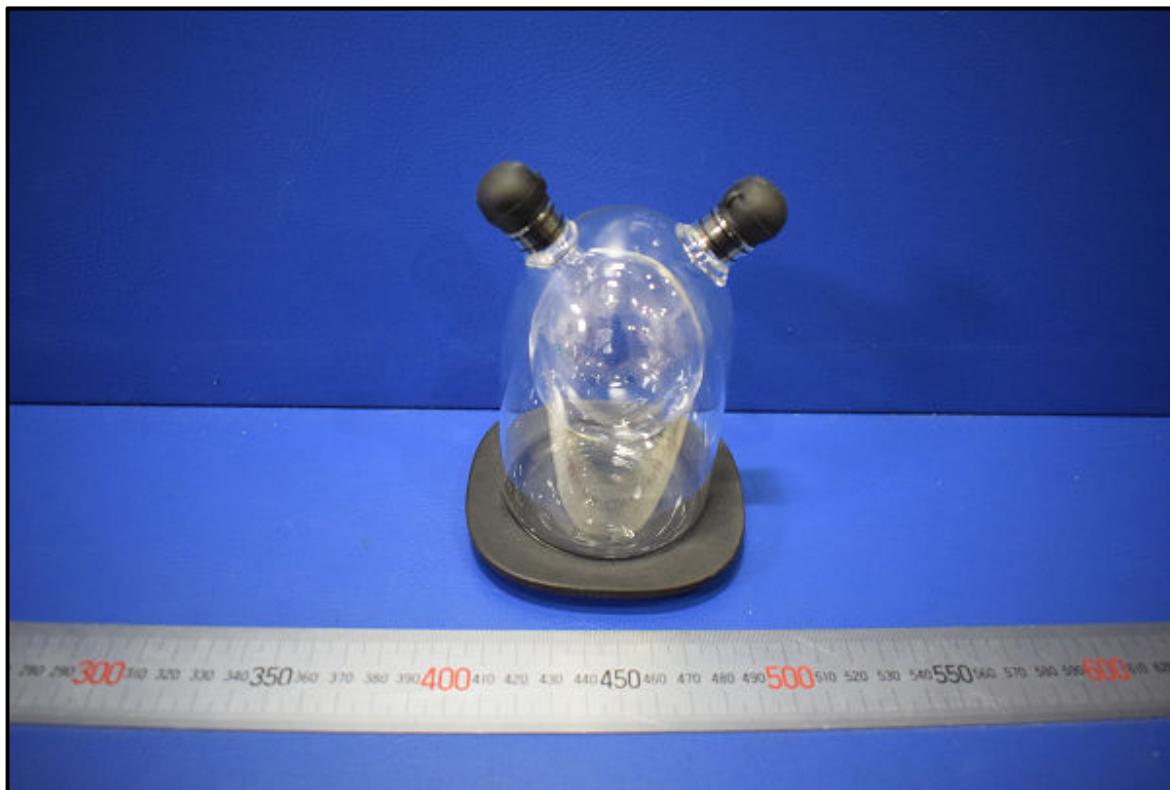
Signed for and on behalf of
Eurofins Product Testing Service (Shanghai) Co., Ltd



Rex Yang
Assistant Chemical Lab Manager

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SAMPLE PHOTO



EFSH17071472-CG-02

TO BE CONTINUED

COMPONENT LIST

Component No.	Component
1	Black silicone lid
2	Wood excluding black coating
3	Transparent glass bottle
4	Silvery metal

TO BE CONTINUED

TEST RESULT

Pentachlorophenol (PCP) Content

Test Request: Pentachlorophenol (PCP) content as specified in entry 22 of annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: With reference to §64 LFGB B 82.02.8-2001, analysis was performed by GC-MS.

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result
					2
Pentachlorophenol (PCP)	87-86-5	mg/kg	1000	0.5	ND

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Leachable Lead and Cadmium

Test Requested : To determine the leachable Lead and Cadmium contents from the submitted samples with reference to European Council Directive 84/500/EEC (COUNCIL DIRECTIVE of 15 October 1984 on the approximation of the laws of the Member States relating to ceramic articles intended to come into contact with foodstuffs) and its amendment Commission Directive 2005/31/EC

Test Method : With reference to EEC Directive 84/500/EEC and 2005/31/EC.
Analysis was performed by ICP-OES.

Category 2

Specimen	Vol. of 4% Acetic Acid Used (ml)	Depth (mm)	Diameter (mm)
	3	3	3
1	300	106	71.3
2	300	106	71.3
3	300	106	71.3
4	300	106	71.3

Specimen	Leachable Lead (mg/l)	Leachable Cadmium (mg/l)
	3	3
1	< 0.05	< 0.01
2	< 0.05	< 0.01
3	< 0.05	< 0.01
4	< 0.05	< 0.01
Limit	4.0	0.3

Note:

- (1) Category 1: Articles that cannot be filled and articles that can be filled, the internal depth of which does not exceed 25 mm
- (2) Category 2: Articles, not in categories 1 or 3, which can be filled
- (3) Category 3: Cooking ware; packaging and storage vessels having a capacity of more than three liters

TO BE CONTINUED

TEST RESULT

Specific Release of Heavy Metals

Test Requested : In accordance with CM/Res (2013)9 on metals and alloys used in food contact materials and articles.

Test Method : Samples were prepared at specific condition, analysed by using ICP-OES/ICP-MS.

Simulant Used: 0.5% citric acid

Test Condition: 40°C 10days

Test Item(s)	Unit	MDL	Result			
			4			
			1 st + 2 nd Migration		3 rd Migration	
			Result	7xSRL ^{*2}	Result	SRL ^{*1}
Aluminum (Al)	mg/kg	0.5	ND	35	ND	5
Antimony (Sb)	mg/kg	0.01	ND	0.28	ND	0.04
Chromium (Cr)	mg/kg	0.05	0.20	1.75	ND	0.25
Cobalt (Co)	mg/kg	0.005	ND	0.14	ND	0.02
Copper (Cu)	mg/kg	0.5	ND	28	ND	4
Iron (Fe)	mg/kg	5	ND	280	ND	40
Manganese (Mn)	mg/kg	0.2	ND	12.6	ND	1.8
Molybdenum (Mo)	mg/kg	0.01	ND	0.84	ND	0.12
Nickel (Ni)	mg/kg	0.01	0.07	0.98	ND	0.14
Silver (Ag)	mg/kg	0.01	ND	0.56	ND	0.08
Tin*3 (Sn)	mg/kg	5	ND	700	ND	100
Vanadium (V)	mg/kg	0.001	0.002	0.07	ND	0.01
Zinc (Zn)	mg/kg	0.5	ND	35	ND	5
Arsenic (As)	mg/kg	0.0005	0.001	0.014	ND	0.002
Barium (Ba)	mg/kg	0.1	ND	8.4	ND	1.2
Beryllium (Be)	mg/kg	0.001	ND	0.07	ND	0.01
Cadmium (Cd)	mg/kg	0.001	ND	0.035	ND	0.005
Lead (Pb)	mg/kg	0.001	ND	0.07	ND	0.01
Lithium (Li)	mg/kg	0.005	ND	0.336	ND	0.048
Mercury (Hg)	mg/kg	0.0005	ND	0.021	ND	0.003
Thallium (Tl)	mg/kg	0.00005	ND	0.0007	ND	0.0001

Note:

- (1) mg/kg = milligram per kilogram
- (2) MDL = method detection limit
- (3) ND = not detected (<MDL)
- (4) SRL = Specific Release Limit
- (5) *1 Compliance is established on the result from the third migration test for repeated used articles.
- (6) *2 Meantime, the sum of the results of the first and second tests should not exceed 7 times the SRL
- (7) *3 Except in field of application under Regulation (EC) No.1881/2006.(canned food container)
- (8) Test condition & simulant were specified by client.

*** END OF THE REPORT ***