TEST REPORT

Applicant:	Zhongshan Shaxi City Jinsan Mannequin Factory
Address:	No.75-5, Kangle North Road, Xiangjiao Village, Shaxi Town, Zhongshan City

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

Manufacturer:	Zhongshan Shaxi City Jinsan Mannequin Factory
Address:	No.75-5, Kangle North Road, Xiangjiao Village, Shaxi Town, Zhongshan City
Product name:	Love doll
Brand Name:	WMDOLL
Model:	WM -11, WM-168, WM-168T
Sample Received Date:	2016-07-18
Testing Period:	2016-07-18 to 2016-07-26

Test Requirement	**Conclusion**
1) As specified by client, to screnn. Lead(Pb),Cadmium(Cd)，Mercury（Hg）,Chromium(Cr) and Bromine(Br) in the submitted sample(s) by XRF. 2)As specified by client, when screening results exceed the XRF screening limit in IEC62321: 2013 Edition 1.0,further use of chemical methods are required to test the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrpminated Biphenyls(PBBs) and Polybrominated Dipybrominated Diphenyl Ethers(PBDEs) in the submitted samples in accordance with Regulation 2011/65/EU.	Pass

Test Result(s) : Please refer to the following page(s)

Test Method: Please refer to the following page(s)

Signed for Shenzhen ETR

Jack Wang
Manager

Test Result(s):

Sample No.	Sample Description	Tested letms	XRF Screening Test	Chemical Test (mg/kg)	Conclusion
1	Silicone body	Pb	BL	/	PASS
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(Ⅵ))	BL	/	
		Br(PBBs&PBDEs)	BL	/	
2	hairpiece	Pb	BL	/	PASS
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(Ⅵ))	BL	/	
		Br(PBBs&PBDEs)	/	/	
3	Eyes	Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(Ⅵ))	BL	/	
		Br(PBBs&PBDEs)	BL	/	
4	Lips	Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(Ⅵ))	BL	/	
		Br(PBBs&PBDEs)	BL	/	
5	Fake nail tablets	Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(Ⅵ))	BL	/	
		Br(PBBs&PBDEs)	BL	/	

Note:

-N.D. = Not Detected (<MDL)

-MDL = Method Detection Limit

-mg/kg = ppm = parts per million

-/=Not Regulated or Not Applicable

-BL = Under the XRF screening limit

-IN = Further chemical test will be conducted when the screening result inconclusive

-OL = Further chemical test will be conducted while the result is above the screening limit.

-Negative = Absence of Cr(VI) , the detected Cr(VI) concentration in the boiling water extraction solution is less than 0.02 mg/kg with 50cm2 sample surface area used.

-Positive = Presence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is equal to or greater than 0.02 mg/kg with 50cm2 sample surface area used.

Remark:

1. The screening results are only used for reference.

2. When conducting the test for PBBs&PBDEs, XRF was introduced to screen Br Exclusively; When conducting thetestfor Hexavalent Chromium, XRF was introduced to screen Chromium exclusively.

Test Method:

1. Screening test by XRF spectroscopy

XRF screening limits in mg/kg for regulated elements according to IEC 62321:2008 Ed.1 Sec.6&Annex D

Element	Limit of IEC 62321:2008 Ed.1 Sec.6&Annex D (unit: mg/kg)		MDL	
	Polymers and metals	Composite material	Polymers	Other material
Pb	BL≤(700-3σ)<X <(1300+3σ)≤OL	BL≤(500-3σ)<X <(1500+3σ)≤OL	10 mg/kg	50 mg/kg
Cd	BL≤(70-3σ)<X <(130+3σ)≤OL	LOD <X<(150+3σ)≤OL	10 mg/kg	50 mg/kg
Hg	BL≤(700-3σ)<X <(1300+3σ)≤OL	BL≤(500-3σ)<X <(1500+3σ)≤OL	10 mg/kg	50 mg/kg
Cr	BL≤(700-3σ)< X	BL≤(500-3σ)< X	10 mg/kg	50 mg/kg
Br	BL≤(300-3σ)< X	BL≤(250-3σ)< X	10 mg/kg	50 mg/kg

Note:

-BL = Under the XRF screening limit

-OL = Further chemical test will be conducted while result is above the screening limit.

-X= The symbol “X” marks the region where further investigation is necessary.

-3σ= The reproducibility of analytical instruments

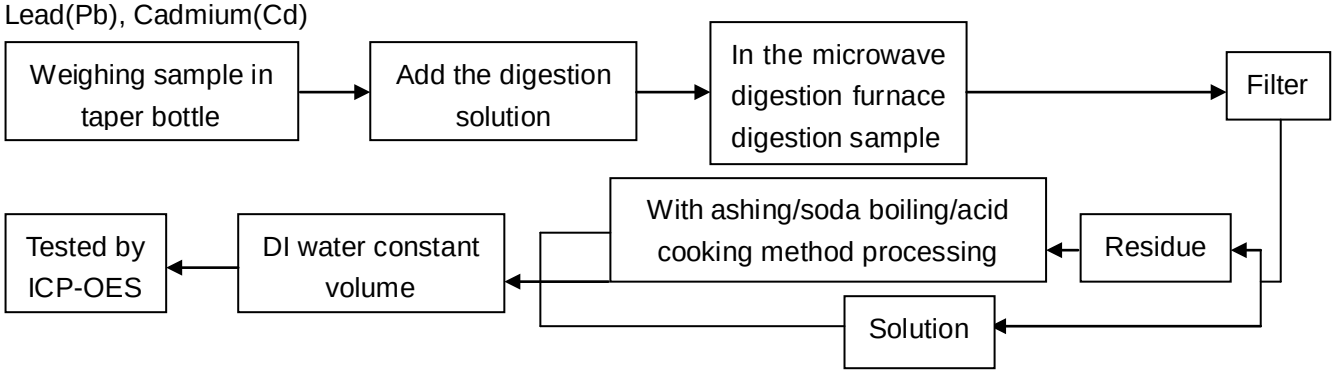
-LOD= Detection limit

2. Chemical Test

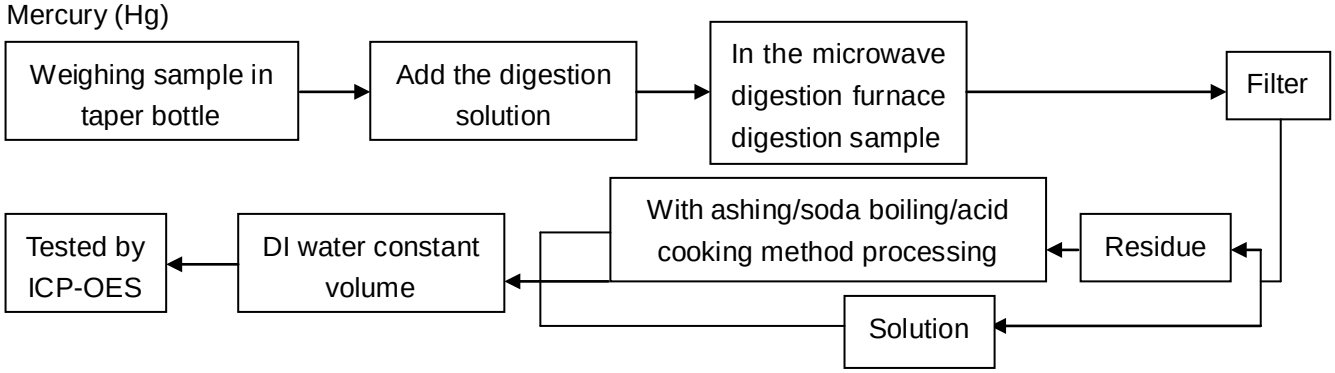
Testing item	Pretreatment method	Measuring instrument	MDL
Lead(Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg
Cadmium(Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg
Mercury(Hg)	IEC 62321-4:2013 Ed.1.0	ICP-OES	2 mg/kg
Chromium(Cr VI)	IEC 62321:2008 Ed.1	UV-Vis	2 mg/kg
PBBs/ PBDEs	IEC 62321:2008 Ed.1 Annex A	GC-MS	5 mg/kg

Test Flow:

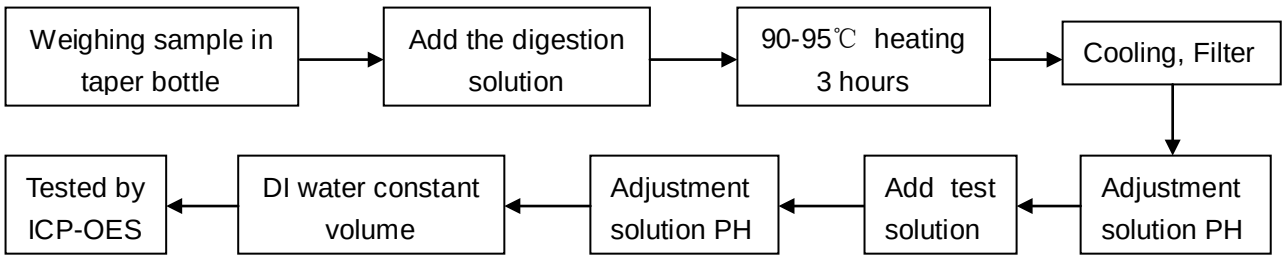
1. Lead(Pb), Cadmium(Cd)



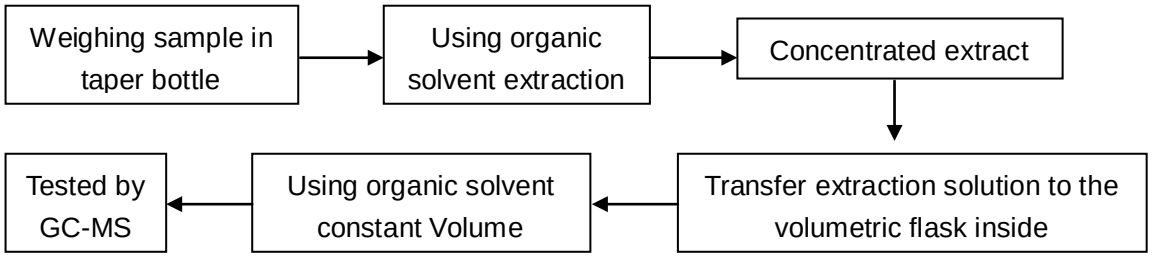
2. Mercury (Hg)



3. Chromium(Cr VI)

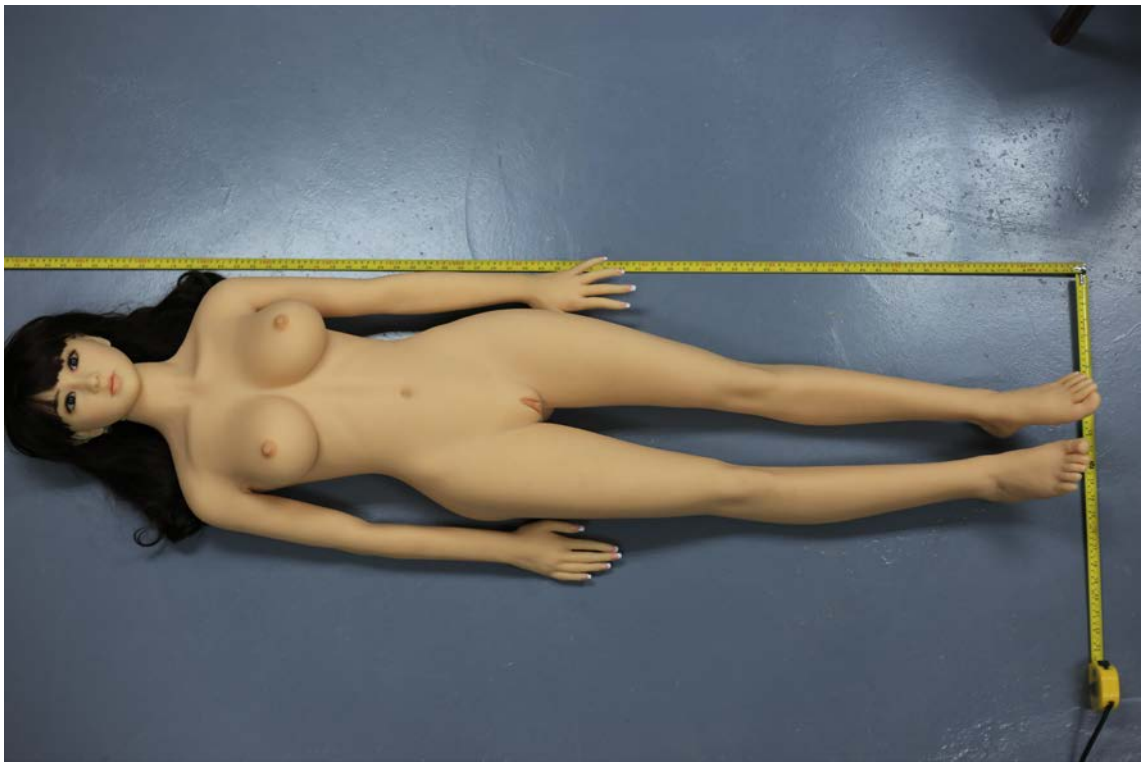


4. PBBs & PBDEs



Photograph of Sample

Photo 1



END OF REPORT