



# Test Report

**Applicant** : Zhongshan Jinsan Mannequin Co., Ltd.  
**Address** : Plant 5, Changzhou Shishan Industrial Zone, West Area, Zhongshan City, Guangdong Province, China

The submitted sample and sample information was/were submitted and identified by/on the behalf of the client

**Sample name** : Love doll  
**Testing type/model** : Wmdoll-160  
**Manufacturer** : Zhongshan Jinsan Mannequin Co., Ltd.  
**Address** : Plant 5, Changzhou Shishan Industrial Zone, West Area, Zhongshan City, Guangdong Province, China  
**Sample received date** : 2017-03-20  
**Testing period** : 2017-03-20 to 2017-03-24  
**Test requested** : FDA food Contact Article test: in accordance with: 21 CFR 177.1500 and 21 CFR 180.22 & 181.32  
Ref: FDA 21 CFR 177.1500  
- Total extractable fraction D.I. water at reflux temperature for 8 hours  
- Total extractable fraction in 95% ethanol at reflux temperature for 8 hours  
- Total extractable fraction in benzene at reflux temperature for 8 hours  
- Total extractable fraction in ethyl acetate at reflux temperature for 8 hours  
**Test Method** : - Solubility in boiling 4.2mol/L HCl  
- Test Melting point  
- Test Density  
Ref: 21 CFR 180.22 & 181.32  
Acrylonitrile monomer extraction  
- Extractable fraction in D.I. water at 120°F for 24 hours  
- Extractable fraction in 8% ethanol at 120°F for 24 hour  
- Extractable fraction in 3% acetic acid at 120°F for 24 hours  
- Extractable fraction in n-heptane at 120°F for 24 hours

\*\*\*\*\* For more detailed information, please refer to the next page\*\*\*\*\*

Test By : *Jim chen*

Approved by : *Jack Wang*





**Tested Sample/ Description**

1 TPE

**Test Result(s):**

Item	Unit	Acceptable limit	Result 1
Total extractable fraction D.I.water	%	1.5	0.2
Total extractable fraction in 95% ethanol	%	1.5	0.2
Total extractable fraction in benzene	%	0.2	0.15
Total extractable fraction in ethyl acetate	%	0.2	0.12
Solubility in boiling 4.2mol/L HCl	/	Dissolves in 1h	<1h
Melting point	F	392-446	407.66
Density	g/cm <sup>3</sup>	1.14±0.015	1.15

Note:

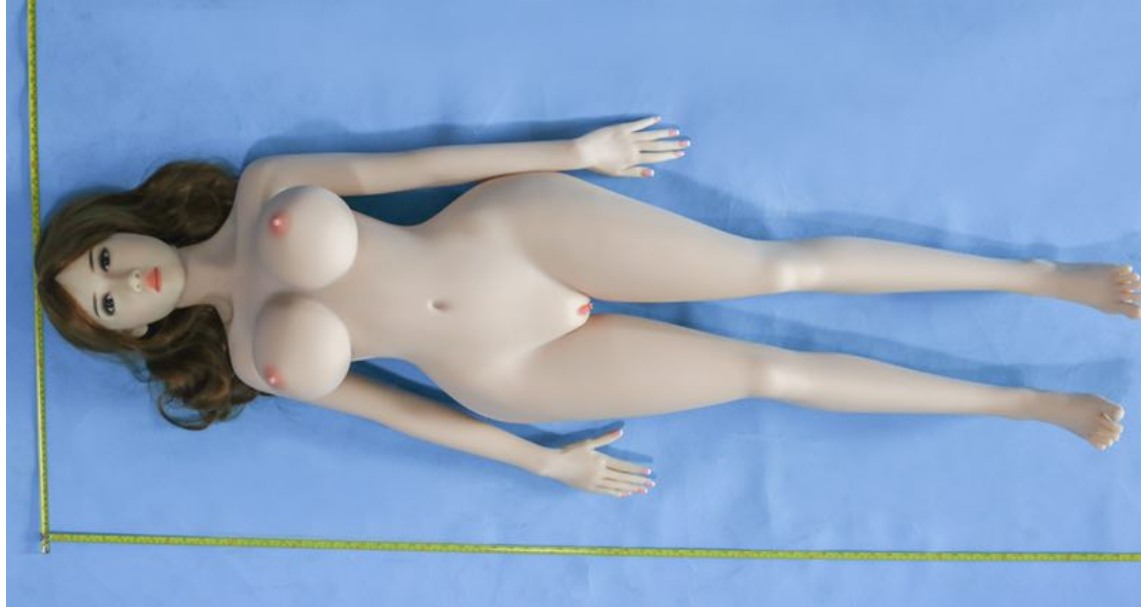
-% = 10000 ppm

**Test Result(s):**

Test Item(s)	Unit	Limit	Result 2	
Acrylonitrile monomer extraction	Extractable fraction in D.I.water at 120°F for 24 hours	mg/in <sup>2</sup>	0.003	<0.001
	Extractable fraction in 8% ethanol at 120°F for 24 hours	mg/in <sup>2</sup>	0.003	<0.001
	Extractable fraction in 3% acetic acid at 120°F for 24 hours	mg/in <sup>2</sup>	0.003	<0.001
	Extractable fraction in n-heptane at 120°F for 24 hours	mg/in <sup>2</sup>	0.003	<0.001



**Photograph of Sample**



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**END OF REPORT**

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