AOV 安姆特检测 AOV TESTING

TEST REPORT

No.: A001T140827208005 Date: Sep 04, 2014

Applicant

Address:

Report on the submitted sample said to be

Sample name: Refill blue

Model: Refill blue

Supplier:

Manufacturer:

Country of Origin: CHINA

Country of Destination: EUROPE

Sample received date: Aug 27, 2014

Testing period: From Aug 27, 2014 to Sep 04, 2014

Test Requested	Conclusion
For compliance with the 2009/48/EC European Standard on Safety of Toys:	
EN 71-3:2013, test migration of certain elements(in the submitted sample(s))	Pass

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

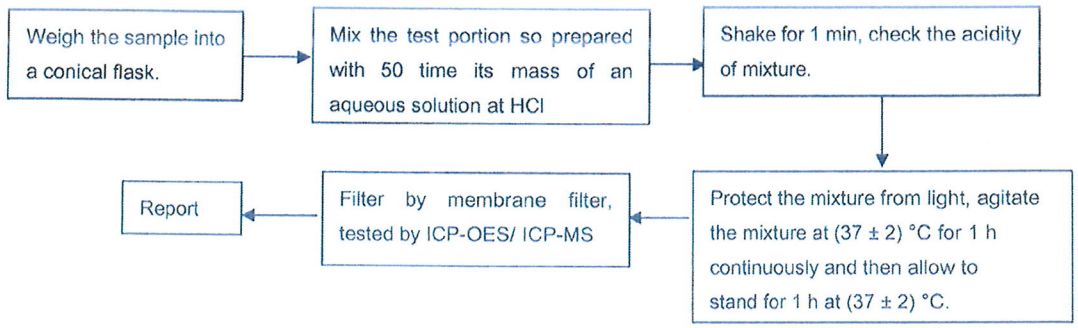
Signed for and on behalf of
Shenzhen AOV Testing Technology Co., Ltd

Tested by:	Reviewed by:	Approved by:
Li Xian Yong, Leif	Han Cheng Mei, Joyce	Dong Yuan Jia, Irwin
Project Leader	Report Team Leader	Laboratory Supervisor

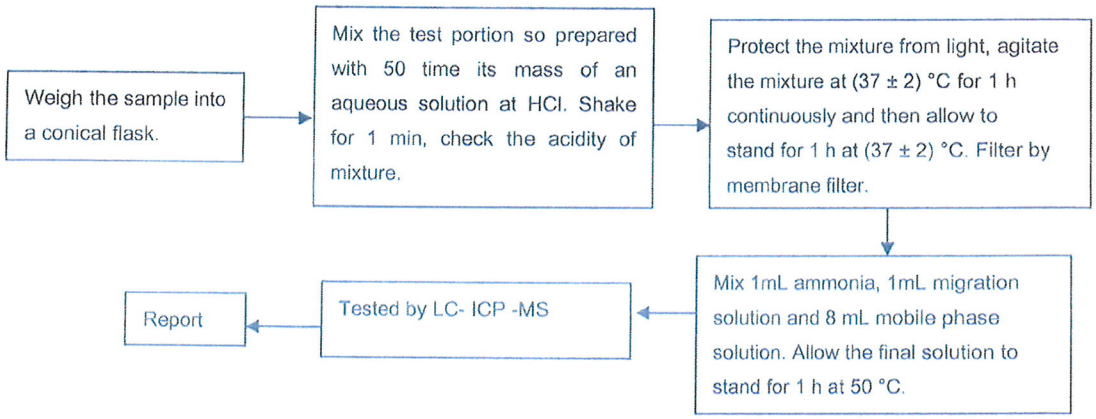
TEST REPORT

Test Flow:

(1.1): Migration of general elements:



(1.2): Migration of Chromium (III) and (VI):



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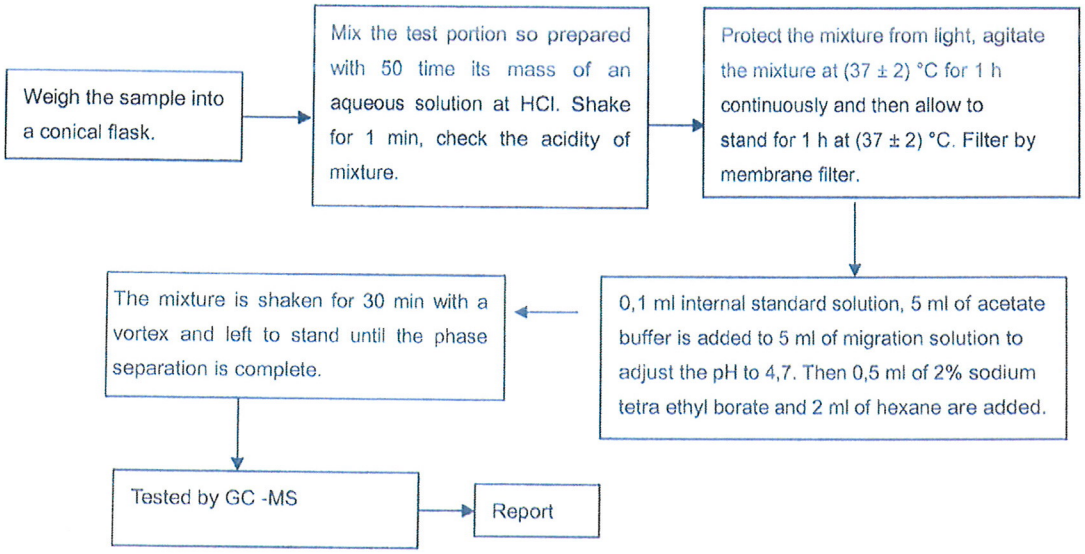
(1.3): Migration of organic tin:



TEST REPORT

Results:

EN 71-3:2013:The test instrument, limit of detection and limit requirements of migration of certain elements.

Code	Soluble Element	Measuring instrument	LOD (mg/kg)	Limit (mg/kg)		
				Category I	Category II	Category III
				dry, brittle, powder-like or pliable toy material	liquid or sticky toy material	scraped-off toy material
1	Al	ICP-MS	0.073	5625	1406	70000
2	Sb	ICP-MS	0.014	45	11.3	560
3	As	ICP-MS	0.027	3.8	0.9	47
4	Ba	ICP-MS	0.027	1500	375	18750
5	B	ICP-MS	0.039	1200	300	15000
6	Cd	ICP-MS	0.059	1.3	0.3	17
7	Cr III	LC-ICP-MS	0.064	37.5	9.4	460
8	Cr VI	LC-ICP-MS	0.026	0.02	0.005	0.2
9	Co	ICP-MS	0.019	10.5	2.6	130
10	Cu	ICP-MS	0.010	622.5	156	7700
11	Pb	ICP-MS	0.061	13.5	3.4	160
12	Mn	ICP-MS	0.050	1200	300	15000
13	Hg	ICP-MS	0.010	7.5	1.9	94
14	Ni	ICP-MS	0.042	75	18.8	930
15	Se	ICP-MS	0.147	37.5	9.4	460
16	Sr	ICP-MS	0.067	4500	1125	56000
17	Sn	ICP-MS	0.110	15000	3750	180000
18	Organic tin	GC-MS	0.120	0.9	0.2	12
19	Zn	ICP-MS	0.097	3750	938	46000

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EN 71-3:2013:The result of migration of certain elements.

Code	Soluble Element	Test Results A (mg/kg)
		Category III:
1	Al	1.6
2	Sb	N.D.
3	As	N.D.
4	Ba	N.D.
5	B	N.D.
6	Cd	N.D.
7	Cr III	N.D.
8	Cr VI	N.D.
9	Co	N.D.
10	Cu	1.8
11	Pb	N.D.
12	Mn	N.D.
13	Hg	N.D.
14	Ni	N.D.
15	Se	N.D.
16	Sr	N.D.
17	Sn	N.D.
18	Organic tin	N.D.
19	Zn	1.2
Conclusion（P/N）		P

Specimen Description

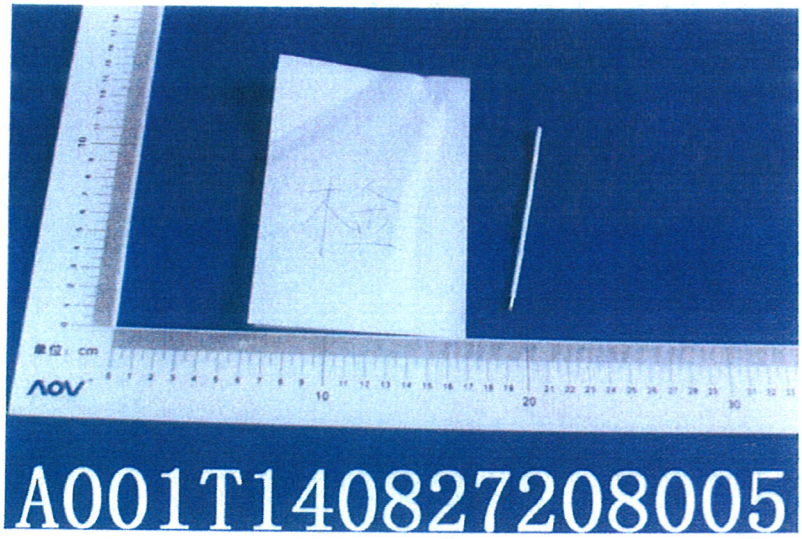
A: Refill blue

Note:

- unit: mg/kg=ppm
- P=Pass, N=Not Pass
- N.D.=Not Detected(<LOD)
- LOD= Limit Of Detection
- Photo is included.

TEST REPORT

Photograph of sample



Refill blue

End of Report

Blue refill

Item numbers for Blue refill

0949
0954
6604
6612
6638
3018
3035
3962
2591
3776
3808
2019
3001
3011
3015
3321
3462
3467
3993
5210
7305