



上海出入境检验检疫局
机电产品检测技术中心

Machinery & Electrical Products Testing Center of Shanghai CIQ



No.L0801

Report No.: SH100478-3

Ref No.: 100621C09001

Date: 6/25/2010

Page: 1 of 5

Test Report

Applicant:

Address:

Sample Description:	The submitted sample(s) stated to be ZINC ALLOY		
Model No.:	--	Listed No.:	--
Lot No.:	--	Main Substances:	--
Buyer:	--		
Supplier/Manu facture:	--		

Date Received: Jun. 21, 2010

Test Period: Jun. 21, 2010 –Jun. 25, 2010

Test Requested: Please refer to next pages

Test Method: Please refer to next pages

Test Process: Please refer to next pages

Test Result: Please refer to next pages

Conclusion: Based on the performed tests on submitted samples, the results comply with the RoHS Directive 2002/95/EC and its subsequent amendments.

For and on behalf of

SMEC

MiaoJunwen

Director

Report No.: SH100478-3

Test Report

Ref No.: 100621C09001

Date: 6/25/2010

Page: 2 of 5

Test Requested:

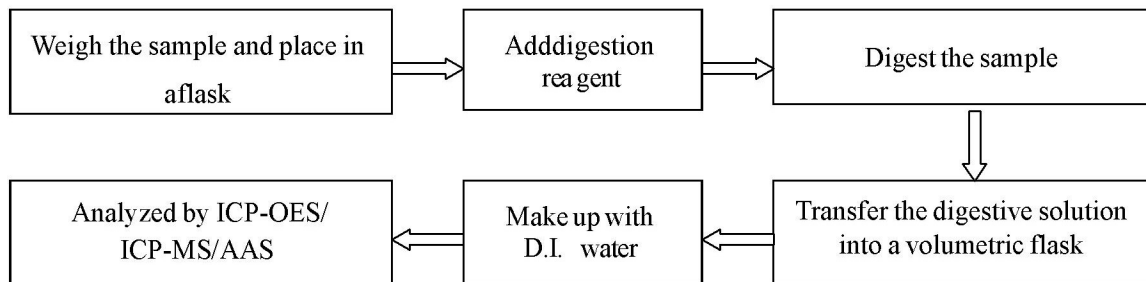
- 1) To determine the Cadmium content of the submitted sample(s)
- 2) To determine the Lead content of the submitted sample(s)
- 3) To determine the Mercury content of the submitted sample(s)
- 4) To determine the Hexavalent Chromium content of the submitted sample(s)

Test Method:

- 1) With reference to IEC 62321:2008. Determination of Cadmium by ICP-OES/ ICP-MS/ AAS
- 2) With reference to IEC 62321:2008. Determination of Lead by ICP-OES/ ICP-MS/ AAS
- 3) With reference to IEC 62321:2008. Determination of Mercury by CV-AAS/ CV-AFS/ ICP-OES/ ICP-MS
- 4) With reference to IEC 62321:2008. Test for the presence of Hexavalent Chromium by UV-Vis

Test Process:

- 1) To determine the content of Pb/Cd with reference to IEC 62321:2008 Sec.9



The samples were dissolved totally by pre-conditioning method according to above flow chart

Report No.: SH100478-3

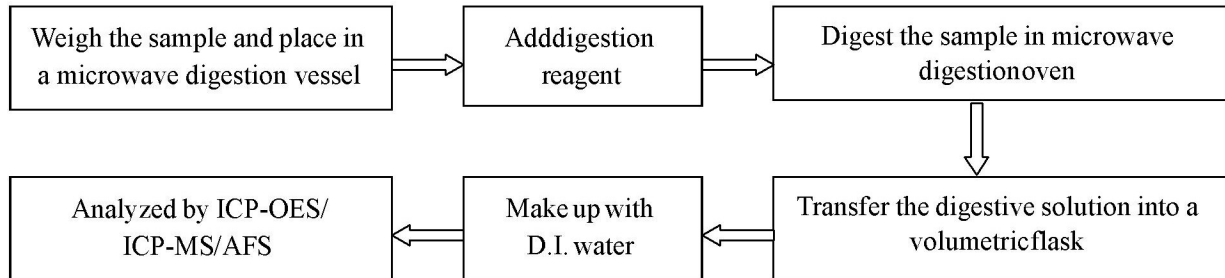
Ref No.: 100621C09001

Date: 6/25/2010

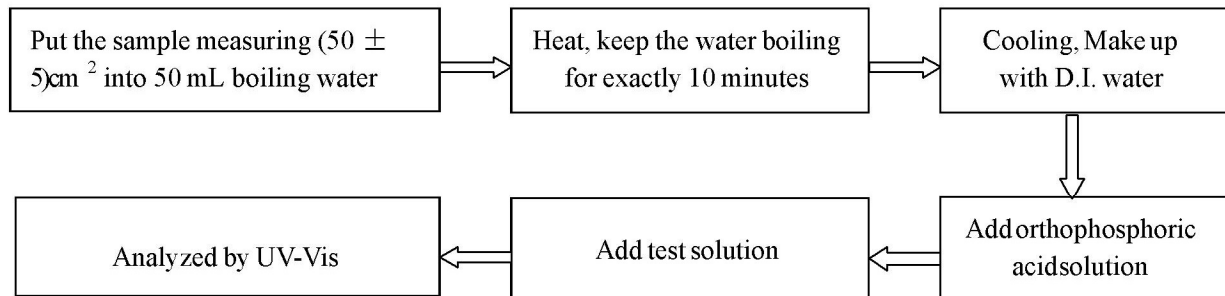
Page: 3 of 5

Test Report

2) To determine the content of Hg with reference to IEC 62321:2008 Sec.7



3) To determine the content of Cr⁶⁺ with reference to IEC 62321:2008 Annex B



Pretreatment: Dong Shuangyan/ Xu Hua/ Li Guangming

Data Review:

Wei Biwen

Analysis: Zheng Yi/ Lin Li/ Yu Wenjia

Report Preparation:

Chen Jingjing

Report No.: SH100478-3

Ref No.: 100621C09001

Date: 6/25/2010

Page: 4 of 5

Test Report

Test result summary on sample: ZINC ALLOY

Test Item	Unit	Result	Reporting Limit	RoHS Limit
Cadmium(Cd)	mg/kg	ND	2	100
Lead (Pb)	mg/kg	ND	2	1000
Mercury (Hg)	mg/kg	ND	2	1000
Hexavalent Chromium (Cr VI)	#	Negative	#	#

Note :

- 1) mg/kg=ppm
- 2) ND = Not detected, which will be showed if below reporting limit
- 3) # = Testing Cr VI by IEC 62321:2008 Annex B and the result is showed as Positive/Negative
Negative = Absence of Cr VI, which means that the Cr VI concentration in extraction solution is less than 0.02 mg/kg with 50 cm² sample surface area
Positive = Presence of Cr VI, which means that the Cr VI concentration in extraction solution is equal or greater than 0.02 mg/kg with 50 cm² sample surface area
- 4) -- = Not applicable

Report No.: SH100478-3

Ref No.: 100621C09001

Date: 6/25/2010

Page: 5 of 5

Test Report

ANNEX

Sample Photo



***** End of Report*****