



Consolidated Test Report

Applicant : Shenzhen Chuangyi Keda Magnetic Industry Co., Ltd.
Applicant Address : 9-2, Building 9, Gengkeng 2nd District, Minkeng Community, Minzhi Street, Longhua District, Shenzhen

SAMPLE INFORMATION:

Sample Description : Magnet
Brand Name : N/A
Model Number : 8/1
 : 12/2, 15/1.5, 9/1.37

CLIENT INFORMATION:

Manufacturer : Shenzhen Chuangyi Keda Magnetic Industry Co., Ltd.
Manufacturer Address : 9-2, Building 9, Gengkeng 2nd District, Minkeng Community, Minzhi Street, Longhua District, Shenzhen
Test Standard : IEC62321-1: 2013

Comment : Based on the performed tests on submitted samples, the results of Pb, Cd, Hg, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP comply with the limits as set by EU RoHS Directive 2011/65/EU and its amendment Directive EU 2015/863.

Issue Date : Apr. 09, 2019

REMARKS:

- 1. The test data obtained and the report issued by laboratories other than BYS are provided by the applicant to us for data consolidation purposes. The report shall not be reproduced in part without written approval of us.
- 2. Characterization & Condition of sample: Normal.



Approved by: _____

Date: Apr. 09, 2019



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Test Method:

Tested Item(s)	Test Method	Measured Equipment(s)	MDL Unit (mg/kg)
Lead(Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2
Cadmium(Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2
Mercury(Hg)	IEC 62321-4:2013 Ed.1.0	ICP-OES	2
Hexavalent Chromium(Cr(VI))	IEC 62321-7-2:2017 Ed.1.0	UV-Vis	8
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015 Ed.1.0	GC-MS	5
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015 Ed.1.0	GC-MS	5
Phthalates	IEC 62321-8:2017 Ed.1.0	GC-MS	50

Test Items	Test Method/ Equipment	MDL	Content	EU RoHS Directive 2011/65/EU and its amendment Directive EU 2015/863
Lead(Pb)	REFER TO IEC 62321-5:2013.	2	N.D.	1000
Cadmium(Cd)	ICP-AES/AAS	2	N.D.	100
Mercury(Hg)	REFER TO IEC 62321-4:2013.	2	N.D.	1000
Hexavalent Chromium(Cr(VI)) by Alkaline extraction	REFER TO IEC 62321:2008.	2	N.D.	1000
Mono-bromobiphenyl	REFER TO IEC 62321-6:2015. GC-MS	5	N.D.	---
Di-bromobiphenyl		5	N.D.	
Tri-bromobiphenyl		5	N.D.	
Tetra-bromobiphenyl		5	N.D.	
Penta-bromobiphenyl		5	N.D.	
Hexa-bromobiphenyl		5	N.D.	



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Test Items	Test Method/ Equipment	MDL	Content	EU RoHS Directive 2011/65/EU and its amendment Directive EU 2015/863		
Hepta-bromobiphenyl		5	N.D.			
Octa-bromobiphenyl		5	N.D.			
Nona-bromobiphenyl		5	N.D.			
Deca-bromobiphenyl		5	N.D.			
Polybrominated Biphenyls(PBBs)		---	N.D.		1000	
Mono-bromodiphenyl ether	REFER TO IEC 62321-6:2015. GC-MS	5	N.D.	--		
Di-bromodiphenyl ether		5	N.D.			
Tri-bromodiphenyl ether		5	N.D.			
Tetra-bromodiphenyl ether		5	N.D.			
Penta-bromodiphenyl ether		5	N.D.			
Hexa-bromodiphenyl ether		5	N.D.			
Hepta-bromodiphenyl ether		5	N.D.			
Octa-bromodiphenyl ether		5	N.D.			
Nona-bromodiphenyl ether		5	N.D.			
Deca-bromodiphenyl ether		5	N.D.			
Polybrominated Diphenyl Ethers(PBDEs)		---	N.D.		1000	
Dibutyl phthalate (DBP)		REFER TO BS EN 14372:2004, GC-MS	30		N.D.	1000
Butylbenzyl phthalate (BBP)			30		N.D.	1000
Di-(2-ethylhexyl) Phthalate (DEHP)	30		N.D.	1000		
Di-iso-butyl phthalate (DIBP)	30		N.D.	1000		



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Tested Sample/Part Description:
1 Sliver metal

Test Results

Test Items	Result Unit (mg/kg)					Acceptable Limit Unit (mg/kg)
	1	2	3	4	5	
Lead (Pb)	20	/	/	/	/	1000
Cadmium (Cd)	N.D.	/	/	/	/	100
Mercury (Hg)	N.D.	/	/	/	/	1000
Hexavalent Chromium (Cr(VI))	N.D.	/	/	/	/	1000
Polybrominated Biphenyls(PBBs)	N.D.	/	/	/	/	1000
Monobromobiphenyl	N.D.	/	/	/	/	--
Dibromobiphenyl	N.D.	/	/	/	/	--
Tribromobiphenyl	N.D.	/	/	/	/	--
Tetrabromobiphenyl	N.D.	/	/	/	/	--
Pentabromobiphenyl	N.D.	/	/	/	/	--
Hexabromobiphenyl	N.D.	/	/	/	/	--
Heptabromobiphenyl	N.D.	/	/	/	/	--
Octabromobiphenyl	N.D.	/	/	/	/	--
Nonabromobiphenyl	N.D.	/	/	/	/	--
Decabromobiphenyl	N.D.	/	/	/	/	--
Polybrominated Diphenyl Ethers(PBDEs)	N.D.	/	/	/	/	1000
Monobromodiphenyl ether	N.D.	/	/	/	/	--
Dibromodiphenyl ether	N.D.	/	/	/	/	--



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Tribromodiphenyl ether	N.D.	/	/	/	/	--
Tetrabromodiphenyl ether	N.D.	/	/	/	/	--
Pentabromodiphenyl ether	N.D.	/	/	/	/	--
Hexabromodiphenyl ether	N.D.	/	/	/	/	--
Heptabromodiphenyl ether	N.D.	/	/	/	/	--
Octabromodiphenyl ether	N.D.	/	/	/	/	--
Nonabromodiphenyl ether	N.D.	/	/	/	/	--
Decabromodiphenyl ether	N.D.	/	/	/	/	--

Test Items	Result Unit (mg/kg)					Acceptable Limit Unit (mg/kg)
	1	2	3	4	5	
Di-isobutyl phthalate(DIBP) CAS #:84-69-5	N.D.	/	/	/	/	1000
Dibutyl phthalate(DBP) CAS #:84-74-2	N.D.	/	/	/	/	1000
Benzylbutyl phthalate(BBP) CAS #:85-68-7	N.D.	/	/	/	/	1000
Di-2-ethylhexyl phthalate(DEHP) CAS #:117-81-7	N.D.	/	/	/	/	1000

NOTE:

- (1) mg/kg = ppm=parts per million
- (2) N.D. = not detected (<MDL)
- (3) MDL=Method Detection Limit
- (4) "—"=Not regulated

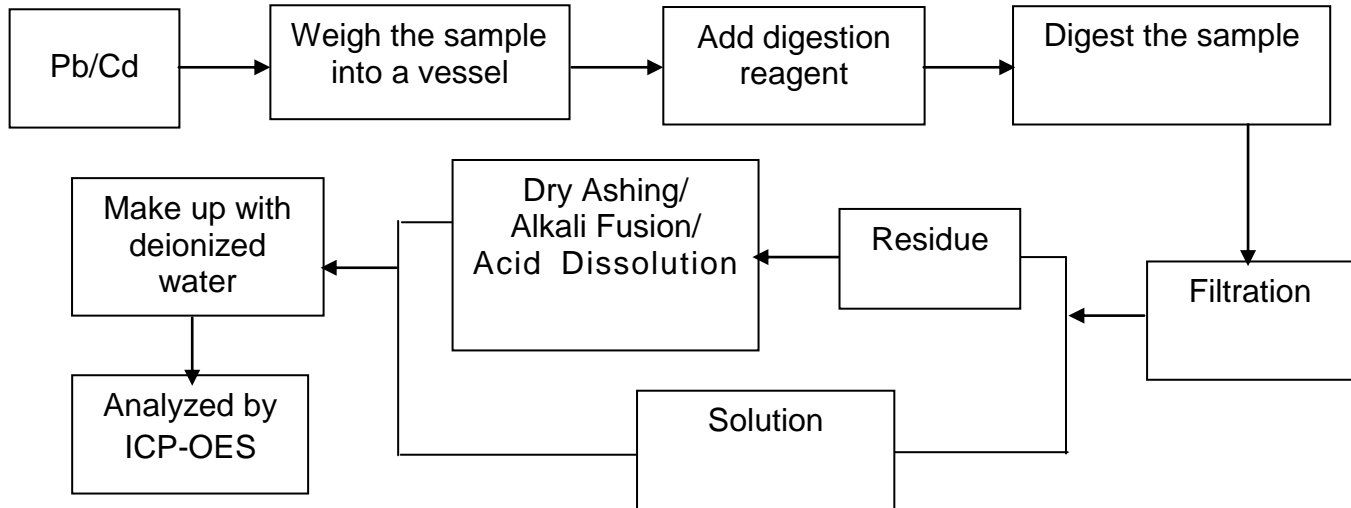


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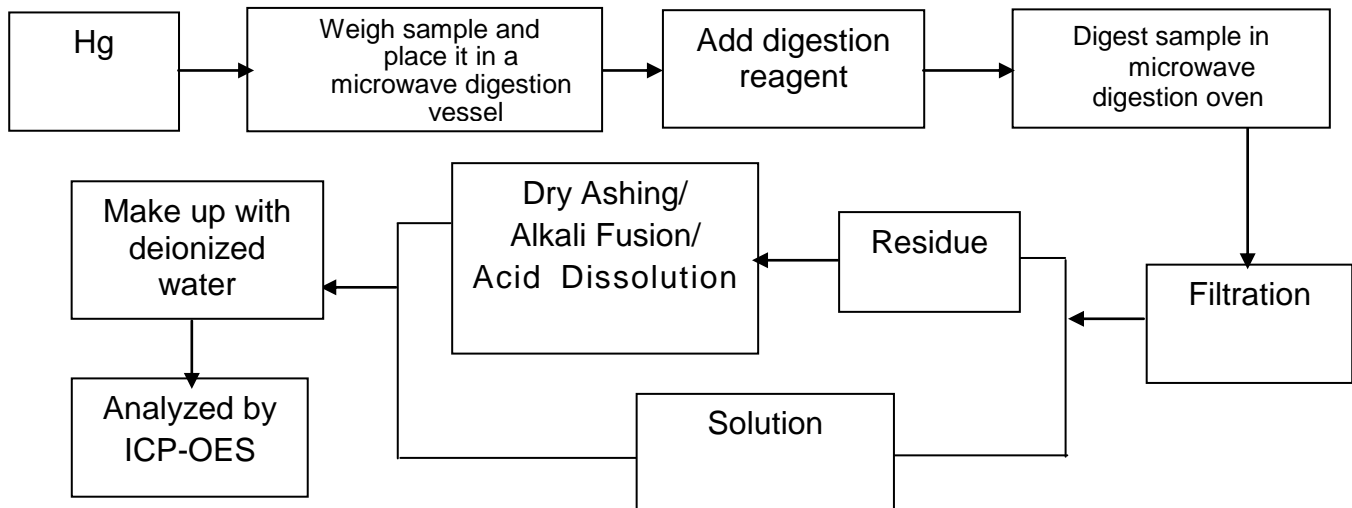
Test Process:

The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.

◆ IEC 62321-5:2013 Ed.1.0



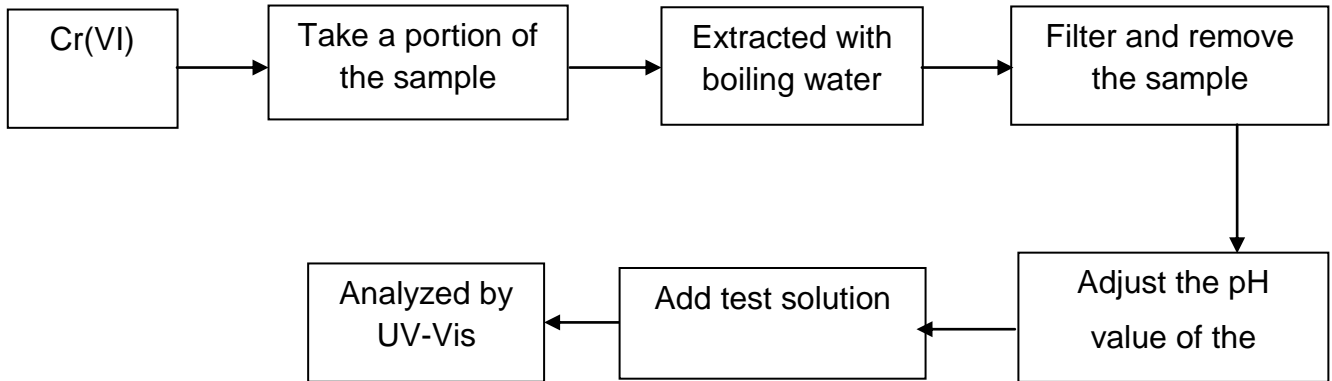
◆ IEC 62321-4:2013 Ed.1.0



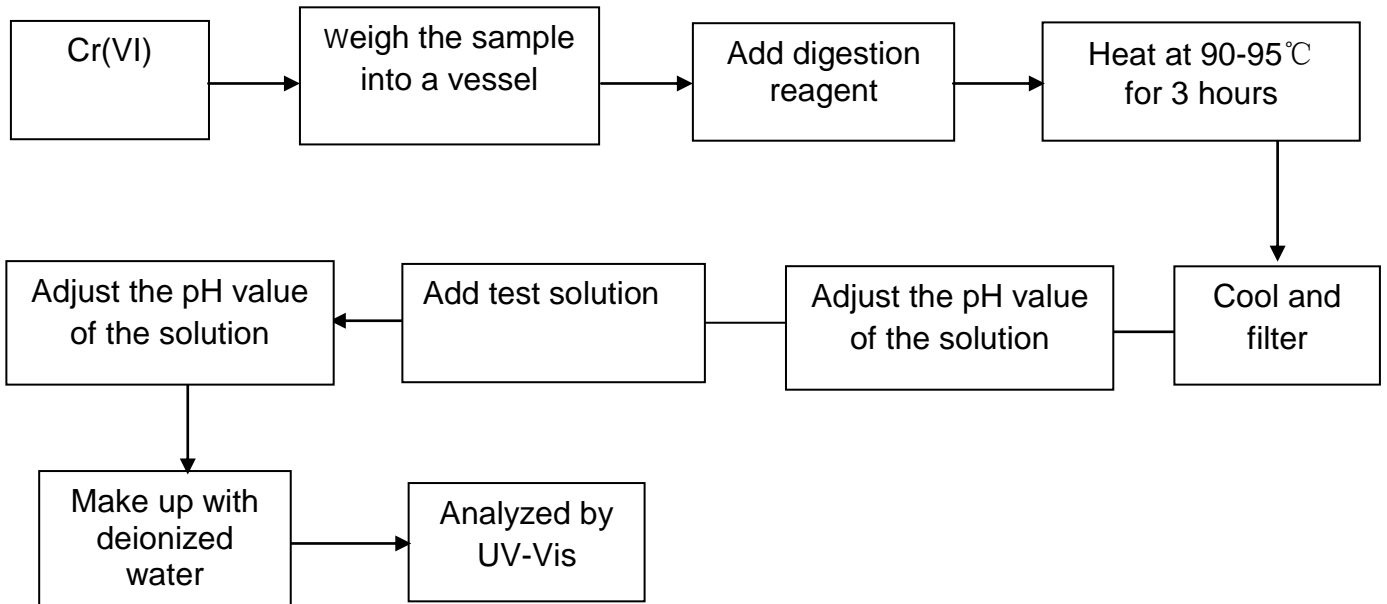


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◆ IEC 62321-7-1:2015 Ed.1.0



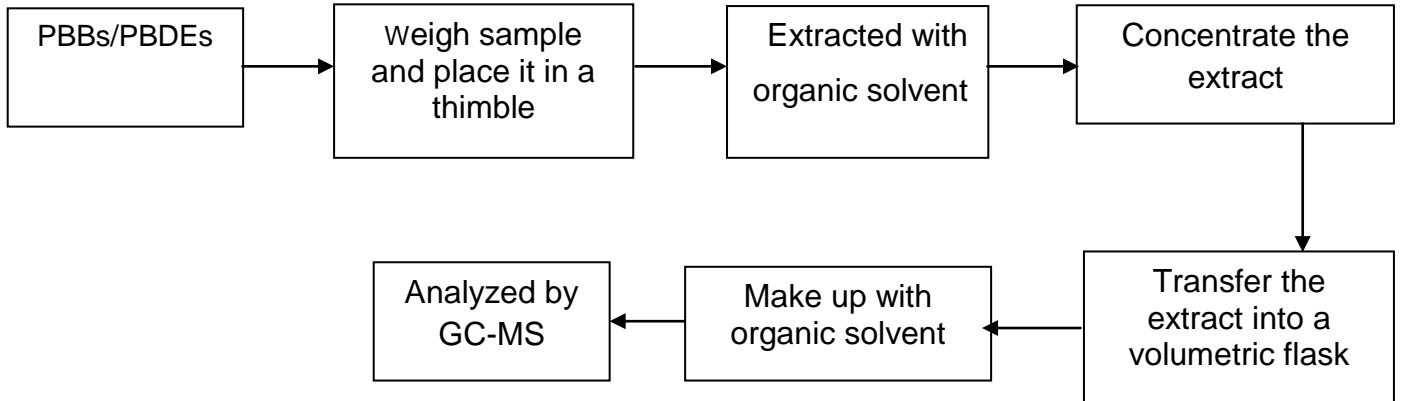
◆ IEC 62321-7-2:2017 Ed.1.0





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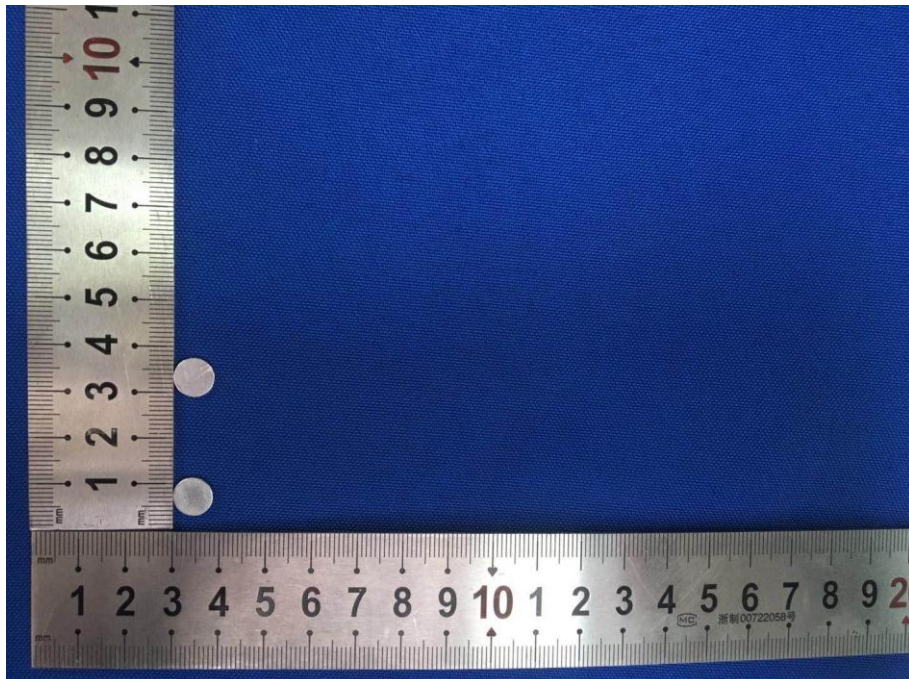
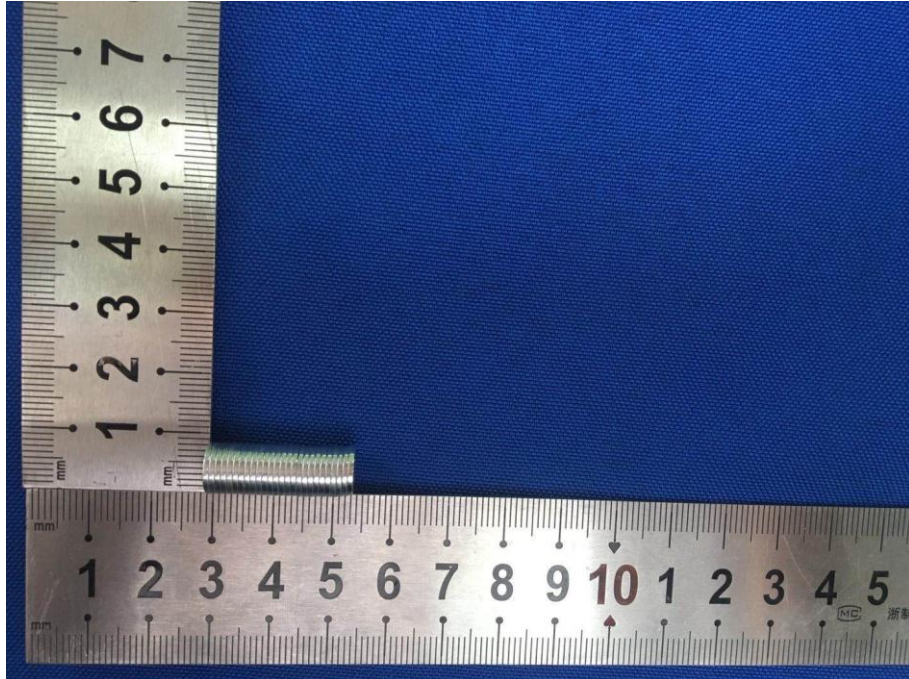
◆ IEC 62321-6:2015 Ed.1.0





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PHOTOGRAPHS OF SAMPLE AS RECEIVED



***** END OF REPORT *****