

Specification for Approval

緯穎料號

Wiwynn Part No. :34.64W14.001

Description :SPG HINGE PUSH SPRING HU230

廠商型號

Vendor Model No. :34.64W14.001

Description :SPG HINGE PUSH SPRING HU230

Issued Date :2012-12-30

Approved Date :2012-12-30



Approved by (Wiwynn)	Approved by (vendor)	Prepared by (vendor)
Suki Hsu		關超
2012-12-30	2012-12-30	2012-12-30

EAI Data Sheet

Drawing Number: 34-64W14-001
Part Name: KNOX
Revision:

Supplier : HWA JYH SPRING METAL CO.,LTD
Submission No :
Material Spec :

Date: 2012-12-30
Cavity / Tool # :
Inspector: JRM/jjs

New:
Revised: Suki Hsu
Resubmission

[illegible]

華志彈簧五金有限公司

HWA JYH SPRING METAL CO.,LTD.

樣品檢討/承認書

APPROVAL SHEET

客 戶
CUSTOMER: 緯穎

機 種
MODEL: KNOX

品 名
PART NAME: SPG HINGE PUSH SPRING HU230

料 號
PART NO: 34.64W14.001

材 質
MATERIAL: SUS304

色 澤
FINISH: 本色

NO.
DATE: 2012-12-30

檢驗量具代號 INSPECTION GAUGES

- 1.游標卡尺Vernier caliper
- 2.分厘卡Micrometer
- 3.捲尺Measuring Tape
- 4.治具Fixture
- 5.拉壓力測試機Spring force tester
- 6.扭力荷重機Torque tester
- 7.塞規/圓棒Pin gauge
- 8.高度規Height gauge
- 9.投影機Projector
- 10.硬度計Hardness tester
- 11.目視Visual
- 12.其他Others

NO.	Inspection Subject 檢查項目	Spec.&Tolerance 規格/公差	Gauge Code 測量工具	Check Data 測量數據					Result 判定結果
				1	2	3	4	5	
1	線徑 WIRE DIA	1.50±0.05	2	1.498	1.500	1.500	1.500	1.499	OK
2	外徑 OUT DIA								
3	圈數 NO.OF COIL								
4	捲向 COIL DIR								
5	寸法	3.50±0.30	9	3.42	3.38	3.70	3.52	3.49	OK
6	寸法	42.0±0.50	9	42.1	42.31	41.84	41.69	42.27	OK
7	寸法	12.86±0.30	9	12.90	13.00	12.70	12.94	12.91	OK
8	寸法	6.00±0.30	9	6.08	5.84	5.92	6.12	6.11	OK
9	寸法	5.87±0.30	9	5.94	5.90	5.80	5.69	6.00	OK
10	角度	51.71°±3°	9	52°	53°	50°	52°	53°	OK
11	寸法	16.63±0.50	9	16.62	16.62	16.59	16.49	17.00	OK
11	寸法	13.9±0.30	9	13.65	14.13	14.05	13.97	12.74	OK
Note 備註:				SUPERVISOR				QC	
				肖滿琢				關超	



KOS WIRE LTD.

567, OCK-MYUNG, NAMDAESONG, POHANG, KYUNGSANGBUK-DO, KOREA
TEL : (054) 278-6083 FAX : (054) 278-6086
E-mail : kosc@koswire.com

Inspection Certificate

DATE OF ISSUE: 2011-04-30

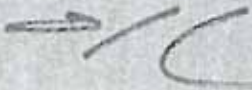
DESCRIPTION	STAINLESS STEEL WIRE FOR SPRING (WPB)		
MILL CERT.NO.	CC3-201104A-0421	GRADE	AISI 304
P.O NO.	2011000014	DIAMETER	1.500 mm
INVOICE NO.	H108002/03 (H112017-16)	FINISH	DU SS-CO (COIL)
CONTRACTOR	TAILY HONG TRADING CO., LTD.	QUANTITY	524.2 KGS (9 COILS)
CUSTOMER	TAILY HONG TRADING CO., LTD.	APP. SPEC	JIS G 4314

CHEMICAL COMPOSITION

(wt%)

COMPONENT		C	Si	Mn	P	S	Ni	Cr				
	Min	0.0000	0.0000	0.0000	0.0000	0.0000	8.0000	18.0000				
CH.NO.	Max	0.0800	1.0000	2.0000	0.0450	0.0300	10.5000	20.0000				
KWSX01535		0.0750	0.4300	1.2600	0.0270	0.0010	8.3300	18.0300				

INSPECTION RESULTS

ITEMS COIL NO.	SIZE	T/S	CAST HELIX					LOT NO.	REMARK
	(mm)	(N/mm ²)	()	()	()	()			
	+0.015 -0.015	1900.0 1650.0							
1	1.494	1789.8	GOOD					1D1604-10308-0001	KWSX01535
2	1.494	1796.0	GOOD					1D1604-10308-0002	
3	1.494	1800.5	GOOD					1D1604-10308-0003	
4	1.494	1812.7	GOOD					1D1604-10308-0004	
5	1.494	1795.8	GOOD					1D1604-10308-0005	
6	1.494	1804.9	GOOD					1D1604-10308-0006	
7	1.494	1793.3	GOOD					1D1604-10308-0007	
8	1.494	1794.8	GOOD					1D1604-10308-0008	
9	1.494	1813.0	GOOD					1D1604-10308-0009	
REMARKS			We hereby certify that the material described herein has been made in accordance with the specification of the order.						
L/C NO : DC KTG204801									
								MANAGER OF Q.C Dept.	

END



Test Report No. F690101/LF-CTSAYAU12-03747

Issued Date: 2012. 07. 18 Page 1 of 4

To: KOS LTD.
131-1,
Yusan-dong,
Yangsang-gu,
Gyeongnam
Korea

The following merchandise was submitted and identified by the client as :

SGS File No. : AYAU12-03747
Product Name : Stainless Steel Wire 304
Item No./Part No. : N/A
Received Date : 2012. 07. 12
Test Period : 2012. 07. 13 to 2012. 07. 18
Test Results : For further details, please refer to following page(s)
Test Performed : SGS Korea tested the sample(s) selected by applicant with following results.
Conclusion : Based on the performed tests on submitted sample(s), the results comply with the RoHS Directive 2002/95/EC and its subsequent amendments.

SGS Korea Co. Ltd. / Gimhae Laboratory

Sharpless Park
Jonadan Lee
Taehee Kang
Jongsir Lim/Testing Person

Thomas Hwang / Gimhae Lab. Mgr



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Test Report No. F690101/LF-CTSAYAU12-03747

Issued Date: 2012. 07. 18 Page 2 of 4

Sample No. : AYAU12-03747.001
Sample Description : Stainless Steel Wire 304
Item No./Part No. : N/A
Materials : Stainless Steel

Heavy Metals

Test Items	Unit	Test Method	MDL	Results
Cadmium (Cd)	mg/kg	With reference to IEC 62321:2008, ICP	1	N.D.
Lead (Pb)	mg/kg	With reference to IEC 62321:2008, ICP	5	N.D.
Mercury (Hg)	mg/kg	With reference to IEC 62321:2008, ICP	2	N.D.
Hexavalent Chromium (Cr VI) By boiling water extraction*	**	With reference to IEC 62321:2008	-	Negative

Flame Retardants-PBBs/PBDEs

Test Items	Unit	Test Method	MDL	Results
Monobromobiphenyl	mg/kg	With reference to IEC 62321:2008, GC-MS	5	N.D.
Dibromobiphenyl	mg/kg	With reference to IEC 62321:2008, GC-MS	5	N.D.
Tribromobiphenyl	mg/kg	With reference to IEC 62321:2008, GC-MS	5	N.D.
Tetrabromobiphenyl	mg/kg	With reference to IEC 62321:2008, GC-MS	5	N.D.
Pentabromobiphenyl	mg/kg	With reference to IEC 62321:2008, GC-MS	5	N.D.
Hexabromobiphenyl	mg/kg	With reference to IEC 62321:2008, GC-MS	5	N.D.
Heptabromobiphenyl	mg/kg	With reference to IEC 62321:2008, GC-MS	5	N.D.
Octabromobiphenyl	mg/kg	With reference to IEC 62321:2008, GC-MS	5	N.D.
Nonabromobiphenyl	mg/kg	With reference to IEC 62321:2008, GC-MS	5	N.D.
Decabromobiphenyl	mg/kg	With reference to IEC 62321:2008, GC-MS	5	N.D.
Monobromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, GC-MS	5	N.D.
Dibromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, GC-MS	5	N.D.
Tribromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, GC-MS	5	N.D.
Tetrabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, GC-MS	5	N.D.
Pentabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, GC-MS	5	N.D.
Hexabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, GC-MS	5	N.D.
Heptabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, GC-MS	5	N.D.
Octabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, GC-MS	5	N.D.
Nonabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, GC-MS	5	N.D.
Decabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, GC-MS	5	N.D.

NOTE: (1) N.D. = Not detected. (<MDL)

(2) mg/kg = ppm

(3) MDL = Method Detection Limit

(4) - = No regulation

(5) Negative = Undetectable / Positive = Detectable

(6) ** = Qualitative analysis (No Unit)

(7) * = Boiling-water-extraction:

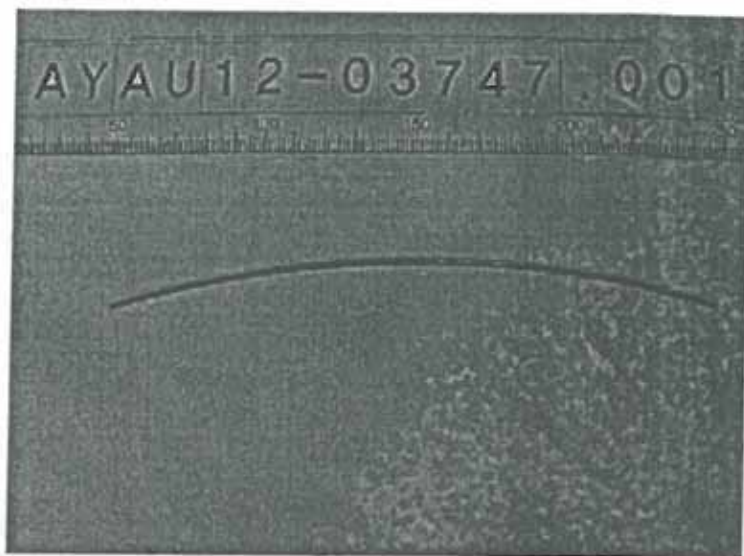
Negative = Absence of CrVI coating

Positive = Presence of CrVI coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² sample surface area.



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Picture of Sample as Received:



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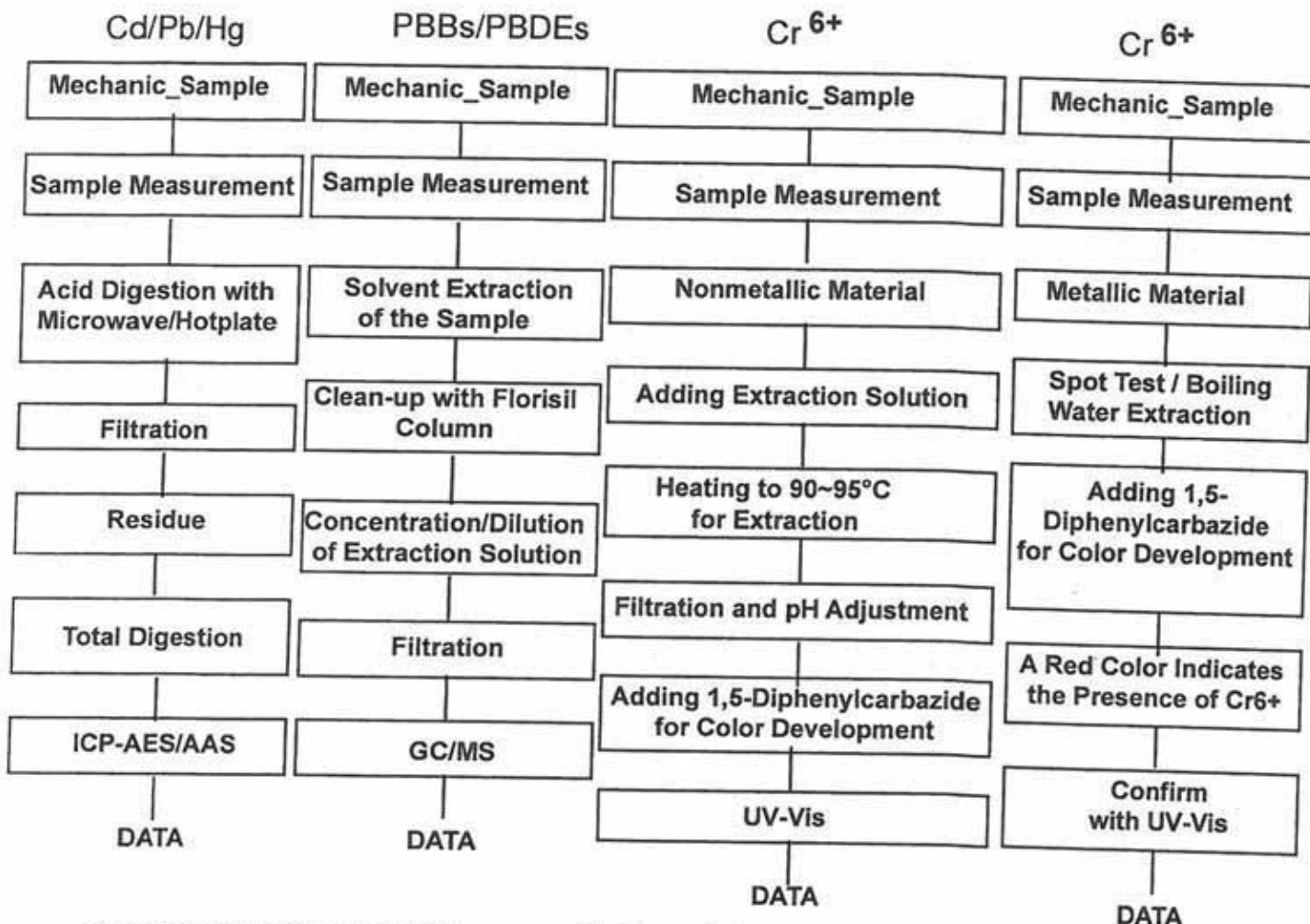
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Testing Flow Chart for RoHS: Cd/Pb/Hg/Cr⁶⁺ /PBBs&PBDEs Testing



The samples were dissolved totally by pre-conditioning method according to above flow chart for Cd,Pb,Hg.
Section Chief : Shapless Park

*** End ***

NOTE: (1) N.D. = Not detected. (<MDL)

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