

Specification for Approval

緯穎料號

Wiwynn Part No. :34.64W15.001

Description :SPG PUSH HINGE SPRING 6 HU230

廠商型號

Vendor Model No. :34.64W15.001

Description :SPG PUSH HINGE SPRING 6 HU230

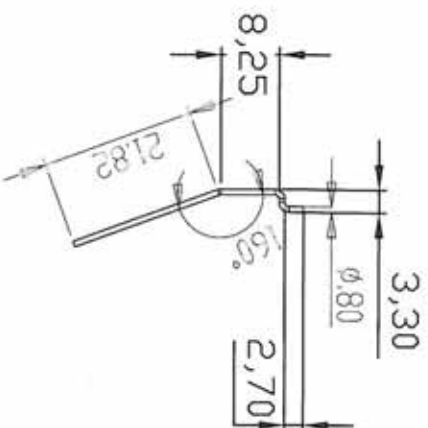
Issued Date :2012-12-30

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

ITEM	PART NO.	PART NAME	RAW MTL. COLOR	ARTWORK	MATERIAL	FINISH PROCESS	FINISH COLOR
1	34.64W15.001	HINGE_PUSH_SPRING	NONE	NONE	SUS304	NONE	NONE



SCALE: 3:1

SIZE	TOL.										MODEL	NAME	REV.	DESCRIPTION	SIGN	DATE
	M1	M2	S1	S2	P1	P2	C	URS								
6-10	0.05	0.10	0.15	0.20	0.05	0.10	0.50				KNDX	HINGE_PUSH_SPRING				
6-30	0.10	0.20	0.15	0.25	0.10	0.15	1.00				DRN	Suki Hsu	10/09/2012	MATERIAL	SUS304	D=0.8mm
30-120	0.15	0.25	0.20	0.30	0.20	0.40	2.00				DSN	Suki Hsu	10/09/2012	FINISH	NONE	
120-300	0.15	0.30	0.25	0.45	0.40	0.80	3.00				APPD	CH Hsieh	10/09/2012			
300-100	0.20	0.50	0.40	0.60	0.60	1.20	3.00									
600-1200	0.30	0.80	0.70	1.10	0.80	1.50	4.00									
ANL. TOL.																

DRAWING NO.	CD 34.64W15.0X1
SHEET	1
DD NOT SCALE	1

Wiyryn corporation

FAI Data Sheet

[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 PUSH HINGE SPRING 6 HU230
料 號
PART NO: 34.64W15.001
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	0.80±0.05	2	0.800	0.797	0.800	0.798	0.800	OK
2	外徑 OUT DIA								
3	圈數 NO.OF COIL								
4	捲向 COIL DIR								
5	寸法	21.82±0.25	9	21.77	21.80	21.83	21.85	21.82	OK
6	寸法	8.25±0.20	9	8.23	8.27	8.24	8.2	8.23	OK
7	寸法	3.30±0.20	9	3.35	3.32	3.36	3.30	3.34	OK
8	寸法	2.70±0.20	9	2.67	2.70	2.73	2.65	2.72	OK
9	角度	160°±3°	9	162.13°	162°	162.42°	162.15°	162.37°	OK
Note 備註:				SUPERVISOR				QC	
				肖滿璋				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: 2012-01-31

DESCRIPTION	STAINLESS STEEL WIRE FOR SPRING (WPB)		
MILL CERT.NO.	CC3-201201A-0213	GRADE	AISI 304
P.O NO.	12-005	DIAMETER	0.800 mm
INVOICE NO.	H11C036/02 (H12I037-18)	FINISH	DU SS-CO (COIL)
CONTRACTOR	EMPEROR RESOURCES INTERNATIONAL LIMITE	QUANTITY	4,792.0 KGS (81 COILS)
CUSTOMER	EMPEROR RESOURCES INTERNATIONAL LIMITE	APP. SPEC	JIS G 4314

CHEMICAL COMPOSITION

(wt%)

COMPONENT CH.NO.		C	Si	Mn	P	S	Ni	Cr				
	Min Max	0.0000 0.0800	0.0000 1.0000	0.0000 2.0000	0.0000 0.0450	0.0000 0.0300	8.0000 10.5000	18.0000 20.0000				
KFOX00297		0.0650	0.4200	1.0740	0.0350	0.0041	8.3690	18.1290				

INSPECTION RESULTS

ITEMS COIL NO.	SIZE (mm)	T/S (N/mm ²)	CAST HELIX () () () ()	LOT NO.	REMARK
	+0.010 -0.010	2100.0 1850.0			
1	0.794	1985.5	GOOD	1D1211-20117-0001	KFOX00297
2	0.794	1930.3	GOOD	1D1211-20117-0002	
3	0.794	1982.0	GOOD	1D1211-20117-0003	
4	0.794	1936.0	GOOD	1D1211-20117-0004	
5	0.794	1976.0	GOOD	1D1211-20117-0005	
6	0.794	1972.0	GOOD	1D1211-20117-0006	
7	0.794	1931.6	GOOD	1D1211-20117-0007	
8	0.794	1939.8	GOOD	1D1211-20117-0008	
9	0.794	1923.9	GOOD	1D1211-20117-0009	
10	0.794	1911.1	GOOD	1D1211-20117-0010	
11	0.794	1955.7	GOOD	1D1211-20117-0011	
12	0.794	1922.7	GOOD	1D1211-20117-0012	
13	0.794	1950.0	GOOD	1D1211-20117-0013	
14	0.794	1936.6	GOOD	1D1211-20117-0014	
15	0.794	1948.5	GOOD	1D1211-20117-0015	

REMARKS

D/A CONT. NO : KWS0359/12

We hereby certify that the material described herein has been made in accordance with the specification of the order.

J. A. PARK

MANAGER OF Q.C Dept.

CONTINUE



Test Report No. F690101/LF-CTSAYAU12-03747

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

To: KOS LTD.
131-1,
Yusan-dong,
Yangsan-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

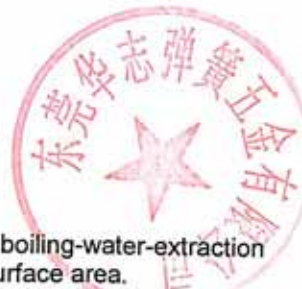
(5) Negative = Undetectable / Positive = Detectable

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

(7) * = Boiling-water-extraction:

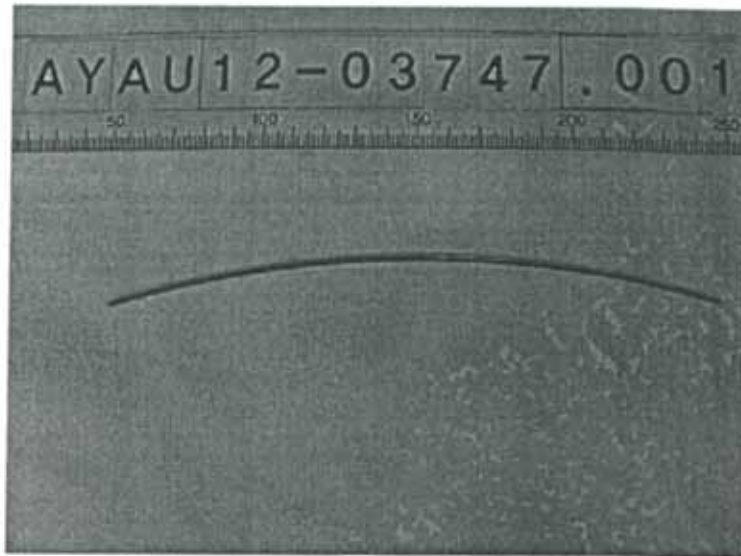
Negative = Absence of CrVI coating

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:



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:

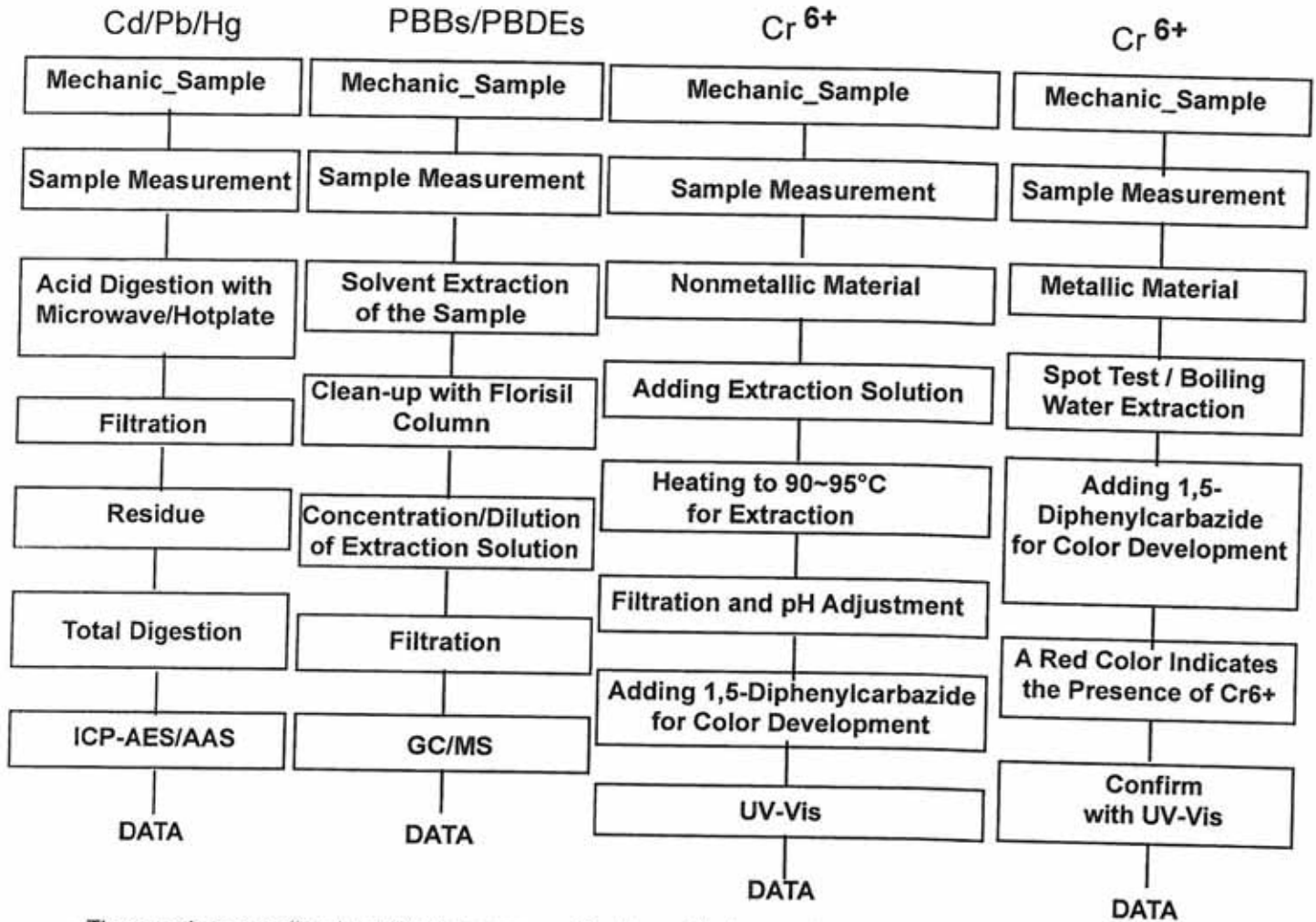
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Positive = Presence of CrVI coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² sample surface area.



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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)

(2) mg/kg = ppm

(3) MDL = Method Detection Limit

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