Suzhou Point Positive Electronic Technology Co.,ltd

SPECIFICATION FOR APPROVAL

Customer	Hansong(NanJing)Technology Ltd		
Customer P/N	45-2-000407	Rev.	A1
Description	ANTENNA		
DRAWING P/N	RC12WFI0330A1		

CUSTOMER APPROVED BY STAMP	Approval	Quality	RD	Sales
	Roy	Hellen	Tak	Frank

ADD : No 3 XinLang Road ,Yinghu industrial Park, Wangting Town
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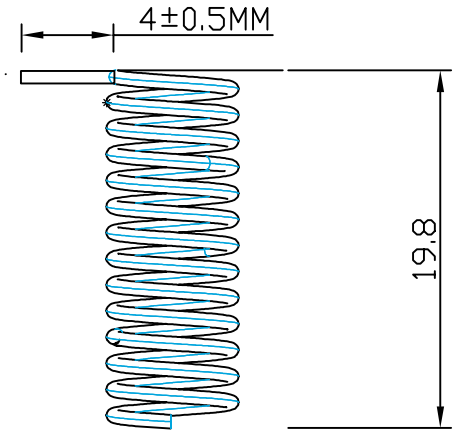
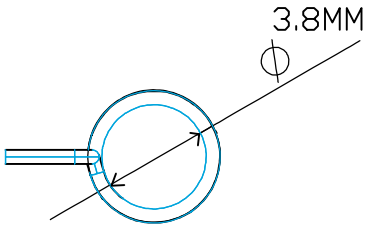
Table of Contents

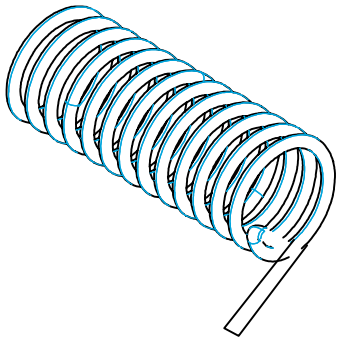
SPECIFICATION

1. Description	ANTENNA
2. Customer	Hansong(NanJing)Technology Ltd
3. Model No	RC12WFI0330A1
4. Part No	45-2-000407
5.Standard	
6.Antenna Profile	19.8mm (see Drawing)
7.Color	CU
8.Electrical Characteristics	
Operating Frequency	433MHZ
Antenna Type	COPPER
Polarization Type	vertical
Type of Radiation	Solder
Peak Gain	2.5 dBi Typica
Impedance	50Ω
V.S.W.R	2:1 Max
9.Mechanical Characteristics	
Swivel	
Lead Length	L:4MM
Connector	N/A
10.Raw Material	
Coaxial Cable	N/A
Housing/Hinge	N/A

变更内容履历简述 REVISIONS DESCRIPTION	版次 REV.	年月日 DATE	變更切換方式	作成
1				
2				
3				







No	材料名称	厂 商	零 件 规 格 及 描 述	颜 色	尺 寸 及 备 注	
1	导体	YD	鏻铜 OD:0.8MM	铜色		1

第 3 角 法	图 面 不 用 实 测				客 户 料 号	45-2-000407
单 位: MM	绘 图	检 图	确 认	核 准	品 名	433Mhz Antenna
比 例: FREE	Star	Hellen	Roy	Daivd	产 品 分 类	☑ A 成品 ☐ B 半成品 ☐ C 样品
DATE:09/01/20					公 司 图 号	RC12WFI0330A1

DONGGUAN WANLING HARDWARE PRODUCTS CO., LTD.

DONGGUAN CITY HENGLI TOWN TIANTOU VILLAGE THIRD INDUSTRIAL ZONE

The following sample(s) was/were submitted and identified on behalf of the clients as : C5191 Phosphor bronze Wire

SGS Job No. :	CP19-068641 - GZ
Model No. :	QSn6.5-0.1
Main Substance :	Cu+Sn+P
Date of Sample Received :	30 Dec 2019
Testing Period :	30 Dec 2019 - 06 Jan 2020
Test Requested :	Selected test(s) as requested by client.
Test Method :	Please refer to next page(s).
Test Results :	Please refer to next page(s).
Conclusion :	Based on the performed tests on submitted sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Violet Shi

Violet,Shi
Approved Signatory

SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch Testing Center Chemical Laboratory.

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Test Results :

Test Part Description :

SN1 CAN19-260994.006 Copper-colored metal wire

Remarks :

(1) 1 mg/kg = 0.0001%

(2) MDL = Method Detection Limit

(3) ND = Not Detected (< MDL)

(4) "-" = Not Regulated

Test Method : With reference to IEC 62321-4:2013+A1:2017, IEC 62321-5:2013, IEC 62321-7-1:2015, analyzed by ICP-OES and UV-Vis .

Test Item(s)	Limit	Unit	MDL	*006*
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1,000	mg/kg	2	32
Mercury (Hg)	1,000	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))▾	-	µg/cm²	0.10	ND

Notes :

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
IEC 62321 series is equivalent to EN 62321 series
https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101::::FSP_ORG_ID,FSP_LANG_ID:1258637,25

(2) ▾= a. The sample is positive for CrVI if the CrVI concentration is greater than 0.13 µg/cm². The sample coating is considered to contain CrVI

b. The sample is negative for CrVI if CrVI is ND (concentration less than 0.10 µg/cm²). The coating is considered a non-CrVI based coating

c. The result between 0.10 µg/cm² and 0.13 µg/cm² is considered to be inconclusive - unavoidable coating variations may influence the determination

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

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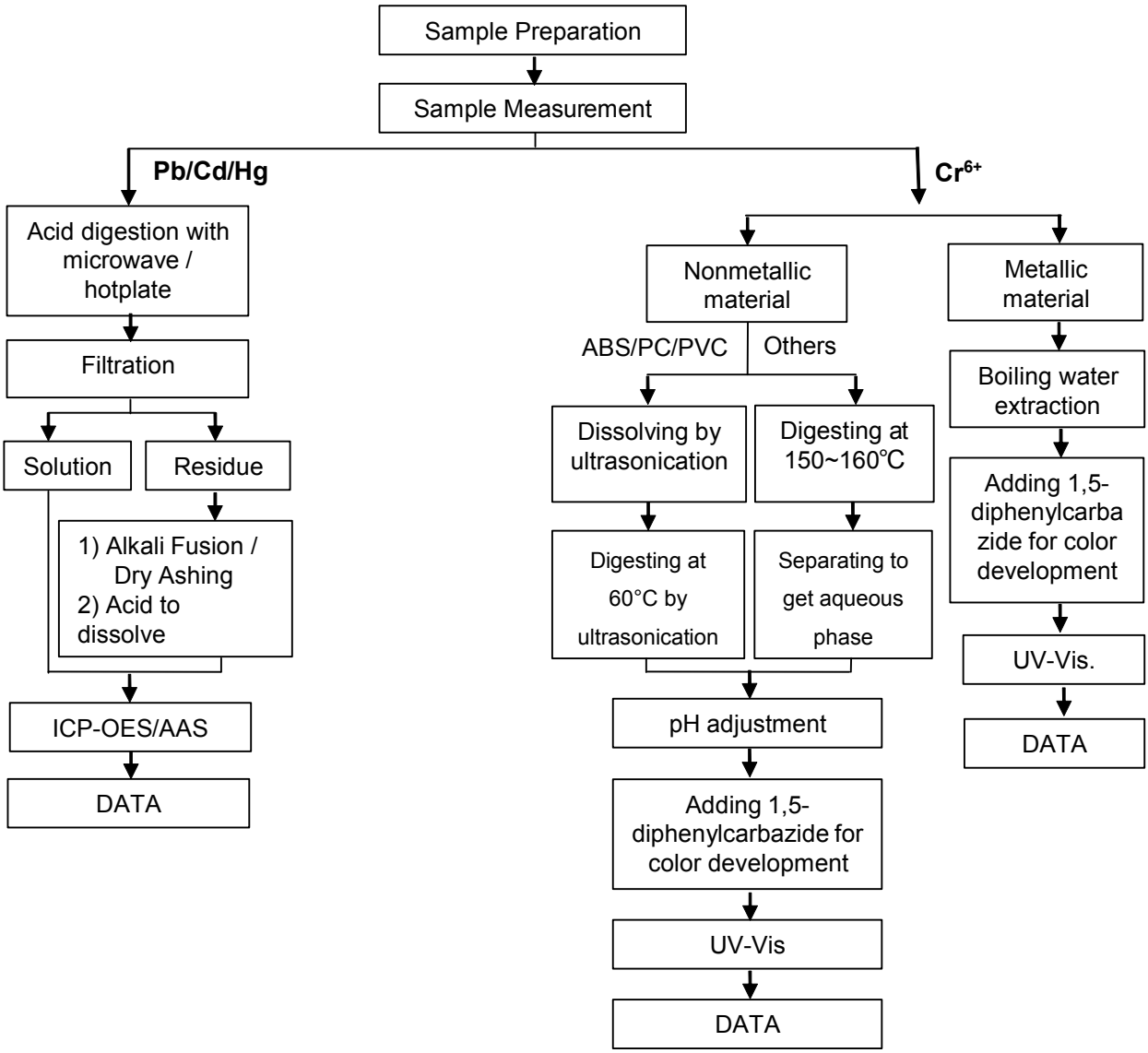
ATTACHMENTS

Pb/Cd/Hg/Cr^{6+} Testing Flow Chart

1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr^{6+} test method excluded).



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Sample photo:

CAN19-260994.006

SGS authenticate the photo on original report only

*** End of Report ***

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