



# TEST REPORT

REPORT No.: RSH1011108771E

Date: November 15, 2010

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Shanghai Grandway Telecom Tech. Co., Ltd  
5F,13th Building, 99# Tianzhou Road, Xuhui District Shanghai China

Report on the submitted samples said to be:

Sample Name : Optical Power Meter Packaging  
 Test Style/ Item No. : FHP2A04  
 Additional Style/ Item No. : FHP1A01,FHP1B01,FHP1A02, FHP1B02, FHP2A02, FHP2B02, FHP2B04  
 Country of Origin : China  
 Manufacturer : Sh. Guangjia Instruments Co., Ltd.  
 Sample Receiving Date : November 10, 2010  
 Testing Period : From November 10, 2010 to November 15, 2010  
 Results : Please refer to next page(s).  
 Remark : As claimed by the material declaration submitted by the client, the material of Additional Style/ Item No. are the same as the tested Style/ Item No. FHP2A04. But the results only for the tested sample. And the applicant will undertake all differences and risk.

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### Summary of Test Results:

#### TEST REQUEST

#### CONCLUSION

A US CONEG Model Toxics in Packaging Legislation on Total Lead, Cadmium, Mercury and Hexavalent Chromium content

PASS

\*\*\*\*\*

Signed for and on behalf of  
BACL



\_\_\_\_\_  
William Wei

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**Results:**

Tested part(s):

- |                                    |                                                                         |
|------------------------------------|-------------------------------------------------------------------------|
| (1) Silvery/blue coating(CD)       | (9) Transparent soft plastic(CD, bag)                                   |
| (2) Transparent plastic(CD)        | (10) Matt white felt(CD, bag)                                           |
| (3) Blue printed white felt(bag)   | (11) Black printed transparent plastic/silvery sticker(plastic sticker) |
| (4) Transparent granule(desiccant) | (12) Transparent PVC(screen)                                            |
| (5) Transparent blue plastic(bag)  | (13) Multi-color printed white paper(instruction book)                  |
| (6) Black PVC(belt)                | (14) Dark blue/light blue printed brown paper(box)                      |
| (7) Silvery metal(inner, belt)     |                                                                         |
| (8) Transparent soft plastic(bag)  |                                                                         |

**A. US CONEG Model Toxics in Packaging Legislation on Total Lead, Cadmium, Mercury and Hexavalent Chromium content**

Test method:

Lead , Cadmium& Mercury Content:

With reference to US EPA 3052:1996/ EPA 3050B:1996 & US EPA 6010C:2007, by acid digestion and analysis was performed by inductively coupled plasma atomic emission spectrometer (ICP-AES)

Hexavalent Chromium Content:

With reference to US EPA 3060A:1996 & EPA 7196A:1992, by alkaline digestion and analysis was performed by UV-visible spectrophotometer (UV-Vis)

Item	Unit	MDL	Results				Limit
			(1)	(2)	(3)	(4)	
Lead (Pb)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	Total (Pb+ Cd+ Hg+ Cr <sup>6+</sup> ) content less than 100mg/kg
Cadmium (Cd )	mg/kg	2	N.D.	N.D.	N.D.	N.D.	
Mercury (Hg)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	
Hexavalent Chromium (Cr <sup>6+</sup> )	mg/kg	2	N.D.	N.D.	N.D.	N.D.	
Total (Pb + Cd + Hg + Cr <sup>6+</sup> )	mg/kg	/	N.D.	N.D.	N.D.	N.D.	
<b>Conclusion</b>			<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	

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Item	Unit	MDL	Results				Limit
			(5)	(6)	(7)	(8)	
Lead (Pb)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	Total (Pb+ Cd+ Hg+ Cr <sup>6+</sup> ) content less than 100mg/kg
Cadmium (Cd)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	
Mercury (Hg)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	
Hexavalent Chromium (Cr <sup>6+</sup> )	mg/kg	2	N.D.	N.D.	N.D.	N.D.	
Total (Pb + Cd + Hg + Cr <sup>6+</sup> )	mg/kg	/	N.D.	N.D.	N.D.	N.D.	
<b>Conclusion</b>			<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	

Item	Unit	MDL	Results				Limit
			(9)	(10)	(11)	(12)	
Lead (Pb)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	Total (Pb+ Cd+ Hg+ Cr <sup>6+</sup> ) content less than 100mg/kg
Cadmium (Cd)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	
Mercury (Hg)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	
Hexavalent Chromium (Cr <sup>6+</sup> )	mg/kg	2	N.D.	N.D.	N.D.	N.D.	
Total (Pb + Cd + Hg + Cr <sup>6+</sup> )	mg/kg	/	N.D.	N.D.	N.D.	N.D.	
<b>Conclusion</b>			<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	

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Item	Unit	MDL	Results		Limit
			(13)	(14)	
Lead (Pb)	mg/kg	2	N.D.	N.D.	Total (Pb+ Cd+ Hg+ Cr <sup>6+</sup> ) content less than 100mg/kg
Cadmium (Cd)	mg/kg	2	N.D.	N.D.	
Mercury (Hg)	mg/kg	2	N.D.	N.D.	
Hexavalent Chromium (Cr <sup>6+</sup> )	mg/kg	2	N.D.	N.D.	
Total (Pb + Cd + Hg + Cr <sup>6+</sup> )	mg/kg	/	N.D.	N.D.	
<b>Conclusion</b>			<b>Pass</b>	<b>Pass</b>	

Remark: The limit is set in the CONEG Model Toxics in packaging legislation by the following states: Connecticut, Florida, Georgia, Illinois, Iowa, Maine, Maryland, Minnesota, Missouri, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia, Washington and Wisconsin.

Note:

- < = Less than
- mg/kg =ppm
- N.D. = Not detected
- Flow chart appendix is included.
- Photo appendix is included.

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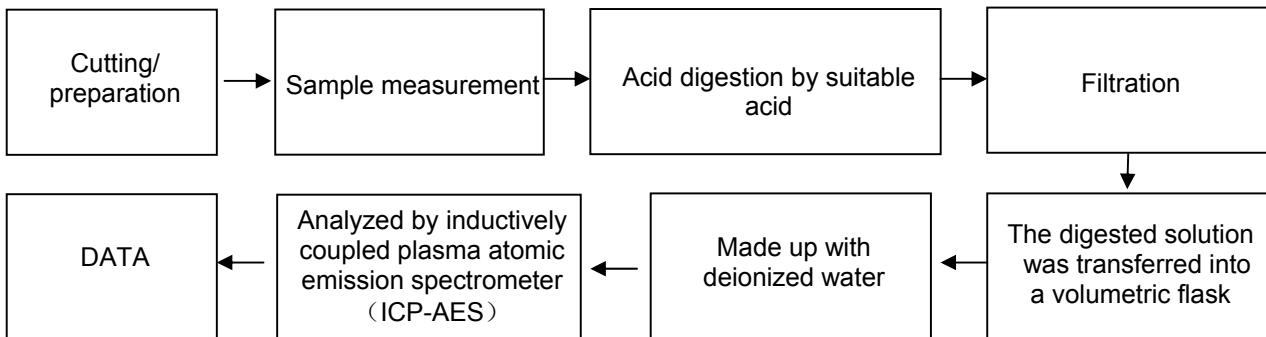
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## Appendix

Test flow chart for Lead, Cadmium, Mercury and Hexavalent Chromium content :



Test by: Lanee.Li & Aron.Luo  
Check by: Bensen Huang & William Wei

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Photograph of Sample



BACL authenticate the photo on original report only

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

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