

# TEST REPORT



Report No.: STW110121021

Date: Jan 24, 2011

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Applicant : Gembird Electronics Ltd.  
Applicant Address : Building B, ShiFeng Industry District, Huaning Road, DaLang Street,  
LongHua District, Shenzhen, China

The following samples were submitted by the client said to be:

Sample Name : VGA CABLE  
Model No. : CC-PPVGA-xxx, CC-PPVGAX-xxx  
Sample Receiving Date : Jan 20, 2011  
Test Period : Jan 20, 2011 - Jan 24, 2011  
Test Requested : As requested by the applicant, submitted sample were screened by XRF spectroscopy for RoHS Directive (2002/95/EC) and its amendment directives.  
Test Results : Details, please refer to the following pages.  
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Prepared by:

Sunny  
(Engineer)

Official Seal:



Approved & Authorized  
Signer:

Wendy  
(anager)

Declaration:

- (1) The test results exclusively refer to the samples examined.
- (2) This report shall not be reproduced except in full without written approval and does not authorize the use of Shenzhen Certification Technology Service Co., Ltd.
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## (A) The test result of XRF:

As per IEC 62321 : 2008, screened by XRF spectroscopy.

No.	Sample Description	Test Item	XRF Result
1	Black plastic (wire cover)	Cadmium ( Cd )	Pass
		Lead ( Pb )	Pass
		Mercury ( Hg )	Pass
		Chromium (Cr)	Pass
		Bromine (Br)	Pass
2	Silvery metal sheet (pin interface)	Cadmium ( Cd )	Pass
		Lead ( Pb )	Pass
		Mercury ( Hg )	Pass
		Chromium (Cr)	Pass
		Bromine (Br)	Not Applicable
3	Silver-grey metal screw	Cadmium ( Cd )	Pass
		Lead ( Pb )	Pass
		Mercury ( Hg )	Pass
		Chromium (Cr)	Pass
		Bromine (Br)	Not Applicable
4	Blue plastic (pin seat)	Cadmium ( Cd )	Pass
		Lead ( Pb )	Pass
		Mercury ( Hg )	Pass
		Chromium (Cr)	Pass
		Bromine (Br)	Pass
5	Aluminum foil paper	Cadmium ( Cd )	Pass
		Lead ( Pb )	Pass
		Mercury ( Hg )	Pass
		Chromium (Cr)	Pass
		Bromine (Br)	Pass
6	White plastic (wire cover)	Cadmium ( Cd )	Pass
		Lead ( Pb )	Pass
		Mercury ( Hg )	Pass
		Chromium (Cr)	Pass
		Bromine (Br)	Pass

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No.	Sample Description	Test Item	XRF Result
7	Silver color metal wire (thin wire)	Cadmium ( Cd )	Pass
		Lead ( Pb )	Pass
		Mercury ( Hg )	Pass
		Chromium (Cr)	Pass
		Bromine (Br)	Not Applicable
8	Copper color metal wire(copper wire core)	Cadmium ( Cd )	Pass
		Lead ( Pb )	Pass
		Mercury ( Hg )	Pass
		Chromium (Cr)	Pass
		Bromine (Br)	Not Applicable

## XRF screening limits in mg/kg for regulated elements in various material

Element	Polymer Material	Metallic Material	Composite Material
Cadmium ( Cd )	P≤70<IC<130≤F	P≤70<IC<130≤F	P≤70<IC<250≤F
Lead ( Pb )	P≤700<IC<1300≤F	P≤700<IC<1300≤F	P≤500<IC<1500≤F
Mercury ( Hg )	P≤700<IC<1300≤F	P≤700<IC<1300≤F	P≤500<IC<1500≤F
Chromium (Cr)	P≤500<IC	P≤700<IC	P≤500<IC
Bromine (Br)	P≤300<IC	Not Applicable	P≤250<IC

Remark:

- (1) mg/kg = milligram per kilogram  
 (2) P=Pass; F=Fail; IC=Inconclusive

## Estimated Detection Limits in mg/kg for regulated elements in various material

Element	Polymer Material	Metallic Material	Composite Material
Cadmium ( Cd )	50	70	70
Lead ( Pb )	100	200	200
Mercury ( Hg )	100	200	200
Chromium (Cr)	100	200	200
Bromine (Br)	200	Not Applicable	200

(B) Tested sample photos:

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