



**Test Report**

No. 2321217-CH09

Date: March 16, 2011

Page 1 of 3

**Samtec Inc.  
520 Park East Blvd  
New Albany, IN 47151  
United States**

Attn: Dick Bowyer

The following sample(s) was/were submitted and identified by/on behalf of the client as:

**Coax Cable – THV Outer Insulation Jacket, FEP Inner Insulation Jacket – Copper Conductors  
Color: Dark Blue/Violet  
Sample/Style #: Sample Labeled: TCF Coax-T**

Sample Received Date: **2/15/2011**

Testing Period: **2/23/2011 – 3/16/2011**

Test Requested : Please refer to the result summary.

Test Method & Results : Please refer to next page(s).

Result Summary :

Test Requested	Comment
Screening for the presence of Heavy Metals in the submitted sample – XRF (X-Ray Fluorescence) Analysis	See test results
Hexavalent Chromium by Spot Test/Boiling Water Test with reference to European Directive 2002/95/EC (RoHS) and its subsequent amendments	See test results

Signed for and on behalf of SGS North America

Prepared By:

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Assistant Laboratory Manager, Chemistry Laboratory

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**1. Test Results – XRF Method (unit: ppm) – Heavy Metals**

Element	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Cadmium Content (Cd)	ND	ND	ND	ND
Lead Content (Pb)	ND	ND	ND	ND
Mercury Content (Hg)	ND	ND	ND	ND
Chromium Content (Cr)	ND	ND	ND	2170 ppm
Bromine Content (Br)	ND	ND	ND	ND

Sample #	Sample Description
1	TCF Coax-T – Blue Insulation
2	TCF Coax-T – Copper Shield
3	TCF Coax-T – White Insulation
4	TCF Coax-T – Copper Conductor

Note: ND = Not Detected

**2. Test results by chemical method:**
Hexavalent Chromium content

Method : Chromium (VI) was analyzed by UV-Visible Spectroscopy.

Test Item	Result (mg/kg)		Detection Limit (mg/kg)	Permissible Limit (mg/kg)
	1			
Hexavalent Chromium by spot test (Cr(VI))	Negative; bubbles observed – boiling water test performed		#	#
Hexavalent Chromium by boiling water extraction (Cr(VI))	Negative		#	#
<b>Comment</b>	Negative for presence of Chromium (VI)		--	--

Sample Description:

1. TCF Coax-T

Note : 1. mg/kg = milligram per kilogram  
2. ND = Not Detected

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Remark : 1. # = Negative means the absence of CrVI on the tested areas; Positive means the presence of CrVI on the tested areas. The detected CrVI concentration in the boiling-water-extraction solution is equal to or greater than 0.02 mg/kg with 50cm<sup>2</sup> sample surface area.

### Sample Photo:



SGS authenticates the photo on the original report only  
 \*\*\* End of Report \*\*\*

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