

**Client : Hwa Yang Stainless Steel (Thailand) Co.,Ltd.  
61/271-272 Rama 9 Road,  
Huaykwang, Huaykwang, Bangkok 10310 Thailand**

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

Sample Description : Stainless Steel with Titanium  
Sample No. : 1795450  
Sample Condition : As per attached photograph  
Sample Receiving Date : 24-Dec-2009  
Testing Period : 24-Dec-2009 to 30-Dec-2009  
Test Requested : In accordance with the RoHS Directive 2002/95/EC and its amendment directives  
Test Method : (1) With reference to IEC 62321:2008 for Lead content, Analysis was performed by ICP-OES.  
(2) With reference to IEC 62321:2008 for Cadmium content, Analysis was performed by ICP-OES.  
(3) With reference to IEC 62321:2008 for Mercury content, Analysis was performed by ICP-OES.  
(4) With reference to IEC 62321:2008 for Hexavalent Chromium by Colorless and Colored Chromate Coating on Metals/ Colorimetric Method, Analysis was performed by UV-Vis spectrometry.  
Test Results : Please refer to next page.

**Signed for and on behalf of  
SGS (Thailand) Limited**



**Pornpana Lirathpong  
Hardlines Testing Manager**

TEST RESULTS

Test results by chemical method (Unit: mg/kg)

Test Item (s):	Method (Refer to)	Result (1)	MDL	RoHS Limit
Lead (Pb)	(1)	n.d.	2	1000
Cadmium (Cd)	(2)	n.d.	2	100
Mercury (Hg)	(3)	n.d.	2	1000
Hexavalent Chromium (CrVI) by Spot test / boiling water extraction (optional)	(4)	Negative	-	#

Test Part Description

Result (1) metal with plating

Note :

(a) mg/kg = ppm ; 0.1wt% = 1000 ppm

(b) n.d. = Not Detected

(c) MDL = Method Detection Limit

(d) # : Positive means the presence of CrVI on the tested areas

Negative means the absence of CrVI on the tested areas

(e) "-" = Not regulated

1452477

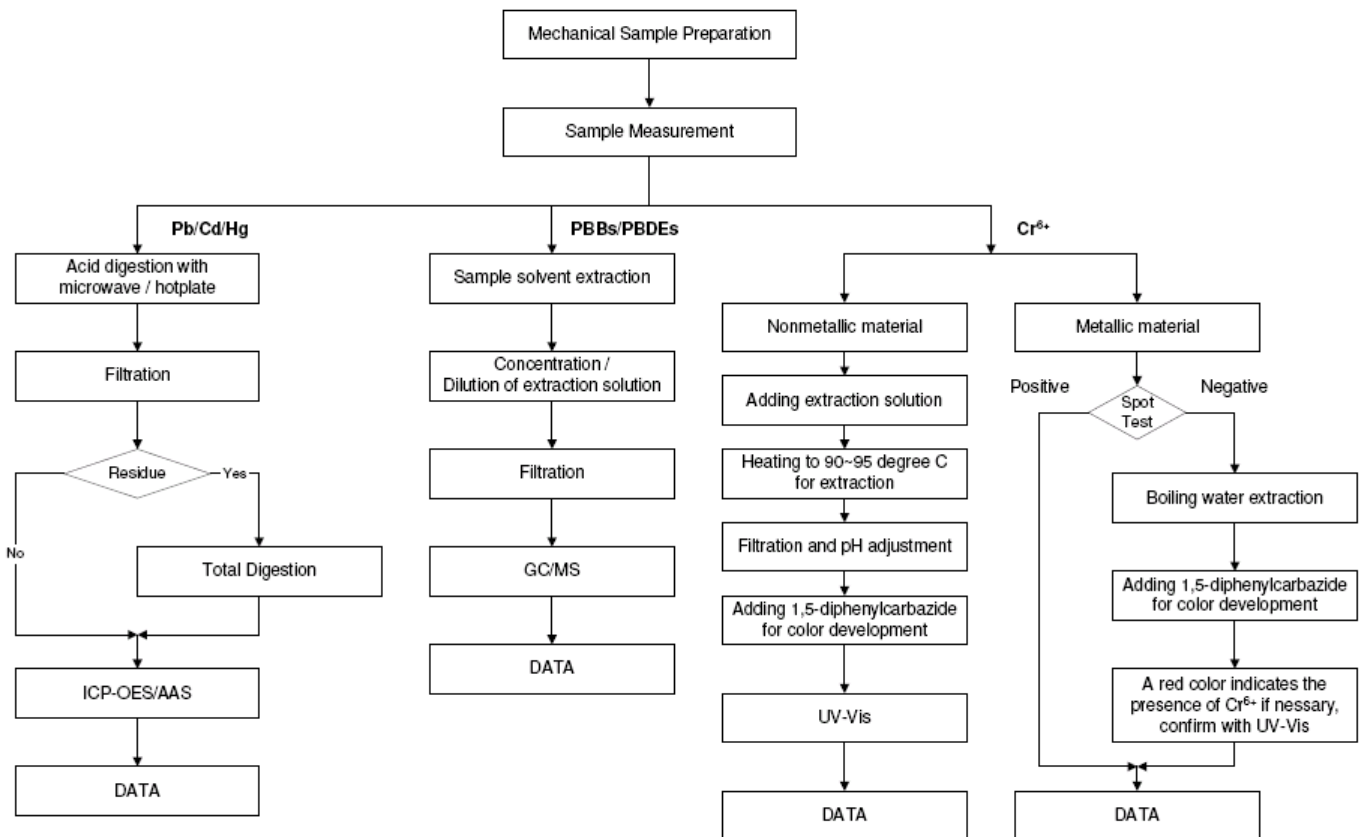
*This Test Report is issued by the Company under its General Conditions of Service printed overleaf and accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm). Attention is drawn to the limitations of liability, indemnification and jurisdiction issues defined therein.*

*Any other holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law.*

*Unless otherwise stated the results shown in this Test Report refer only to the sample (s) tested and such sample (s) are retained for 30 days only. This Test Report cannot be reproduced, except in full, without prior written permission of the Company.*

Flow Chart for RoHS : Pb/Cd/Hg/Cr<sup>6+</sup>/PBBs/PBDEs Testing

1. Operator : Wanwisa Seakew
2. Section Chief : Laddawan Uranpitr
3. The sample was dissolved totally by pre-conditioning method according to below flowchart. (Cr<sup>6+</sup> and PBBs/PBDEs test method excluded)



1452477

This Test Report is issued by the Company under its General Conditions of Service printed overleaf and accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm). Attention is drawn to the limitations of liability, indemnification and jurisdiction issues defined therein.

Any other holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this Test Report refer only to the sample (s) tested and such sample (s) are retained for 30 days only. This Test Report cannot be reproduced, except in full, without prior written permission of the Company.

SAMPLE/ATTACHMENT PICTURE



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

1452477

*This Test Report is issued by the Company under its General Conditions of Service printed overleaf and accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm). Attention is drawn to the limitations of liability, indemnification and jurisdiction issues defined therein.*

*Any other holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law.*

*Unless otherwise stated the results shown in this Test Report refer only to the sample (s) tested and such sample (s) are retained for 30 days only. This Test Report cannot be reproduced, except in full, without prior written permission of the Company.*