

## TEST REPORT

REPORT NO. JP/2012/010084

DATE: January 19, 2012

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THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CLIENT AS:  
以下のサンプルは顧客により提供され、顧客に代わって確認を行いました:

**SAMPLE DESCRIPTION** : Kovar

CLIENT REF.NO

SAMPLE RECEIVED : 2012/01/06

TESTING DATE : 2012/01/06 TO 2012/01/17

TEST REQUESTED : SELECTED TEST(S) AS REQUESTED BY CLIENT.  
分析項目 分析項目は顧客の要求によります。

TEST METHOD(S) : WITH REFERENCE TO IEC62321 EDITION 1.0 2008-12 FOR RoHS 6 SUBSTANCES.  
分析方法 OTHER CHEMICALS WERE TESTED BY EACH APPROPRIATE METHOD.  
RoHS6物質の分析はIEC62321第1.0版(2008年12月)を参照しました。  
それ以外の化学物質についてはそれぞれに最適な方法で分析を行いました。

TEST RESULT(S) : PLEASE REFER TO THE NEXT PAGE(S).  
分析結果 以下のページをご参照願います。

大内 幸弘



Yukihiro Ouchi / Quality Manager  
SGS Japan Inc., Green Testing Center

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### TEST RESULT(S)

ITEM(S)	UNIT	RESULT	METHOD	INST./PLACE	MDL
CADMIUM(Cd)	mg/kg	N.D.	IEC62321 ED.1 SECTION 8,9,10	ICP-OES*	2
LEAD(Pb)	mg/kg	N.D.	IEC62321 ED.1 SECTION 8,9,10	ICP-OES*	2
MERCURY(Hg)	mg/kg	N.D.	IEC62321 ED.1 SECTION 7	ICP-OES*	2
CHROMIUM VI(Cr(VI))	μ g/cm <sup>2</sup>	N.D.	IEC62321 ED.1 ANNEX B	UV-VIS*	0.01
Polybrominated biphenyls(PBBs)					
Monobromobiphenyl	mg/kg	N.D.	IEC62321 ED.1 ANNEX A	GC/MS*	5
Dibromobiphenyl	mg/kg	N.D.			5
Tribromobiphenyl	mg/kg	N.D.			5
Tetrabromobiphenyl	mg/kg	N.D.			5
Pentabromobiphenyl	mg/kg	N.D.			5
Hexabromobiphenyl	mg/kg	N.D.			5
Heptabromobiphenyl	mg/kg	N.D.			5
Octabromobiphenyl	mg/kg	N.D.			5
Nonabromobiphenyl	mg/kg	N.D.			5
Decabromobiphenyl	mg/kg	N.D.			5
Polybrominated diphenyl ethers(PBDEs)					
Monobromodiphenyl ether	mg/kg	N.D.	IEC62321 ED.1 ANNEX A	GC/MS*	5
Dibromodiphenyl ether	mg/kg	N.D.			5
Tribromodiphenyl ether	mg/kg	N.D.			5
Tetrabromodiphenyl ether	mg/kg	N.D.			5
Pentabromodiphenyl ether	mg/kg	N.D.			5
Hexabromodiphenyl ether	mg/kg	N.D.			5
Heptabromodiphenyl ether	mg/kg	N.D.			5
Octabromodiphenyl ether	mg/kg	N.D.			5
Nonabromodiphenyl ether	mg/kg	N.D.			5
Decabromodiphenyl ether	mg/kg	N.D.			5

NOTES: mg/kg = ppm, N.D. = Not Detected, INST. = INSTRUMENT, MDL = Method Detection Limit

REMARK: Cr(VI) has been tested with regard to the surface area of 10cm<sup>2</sup>.

Reference: The MDL of Cr(VI) can be converted into 2 (ppm) with regard to the sample weight.

\* = The test has been conducted in association with SGS Taiwan Ltd. Multi Chemical Laboratory-Kaohsiung.

### 分析フローチャート MEASUREMENT FLOW CHART

1) 酸分解前処理において試料を完全分解しています。

The sample was dissolved/ decomposed totally by acid pre-conditioning method according to below flow chart.

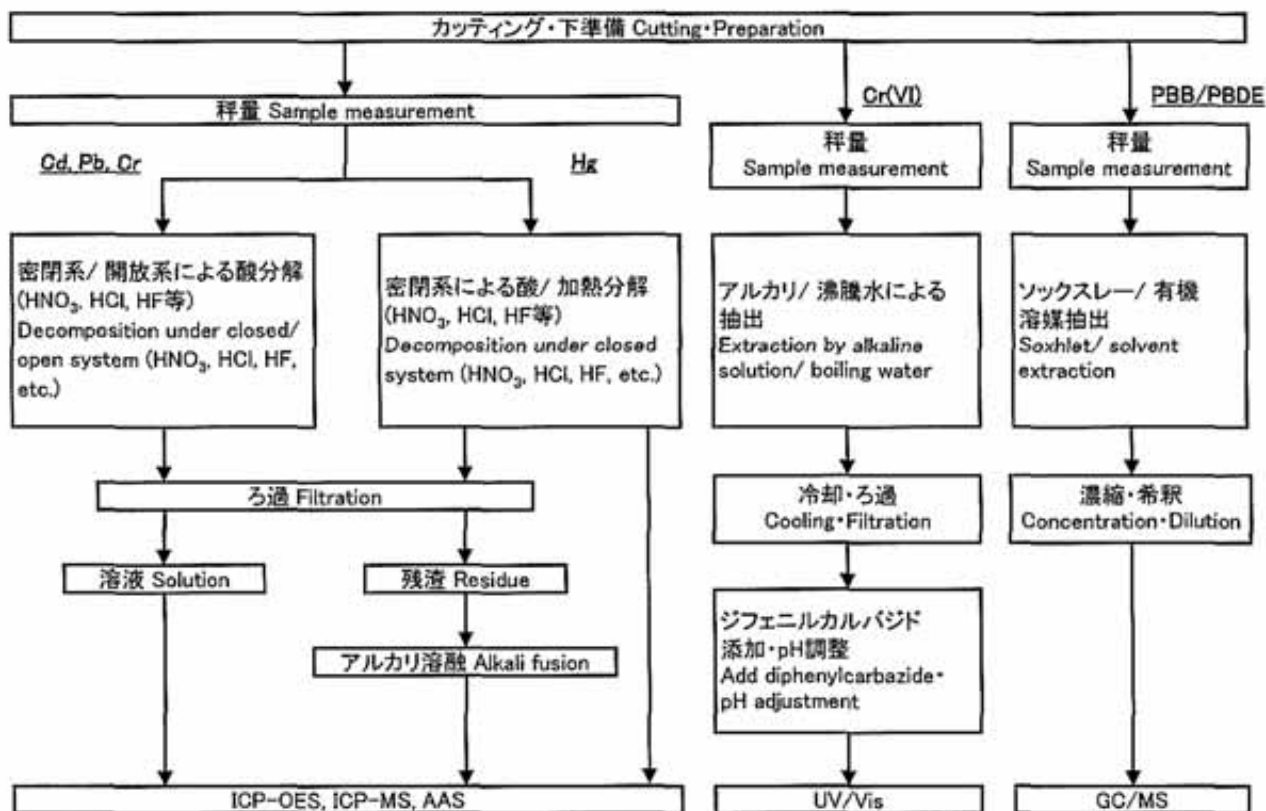
2) Cd, Pb, Hg, Cr, Cr(VI)

分析担当者 Name of the person in charge of measurement: 野田 晴美 Harumi Noda

3) PBB/PBDE

分析担当者 Name of the person in charge of measurement: 大谷 真由美 Mayumi Otani

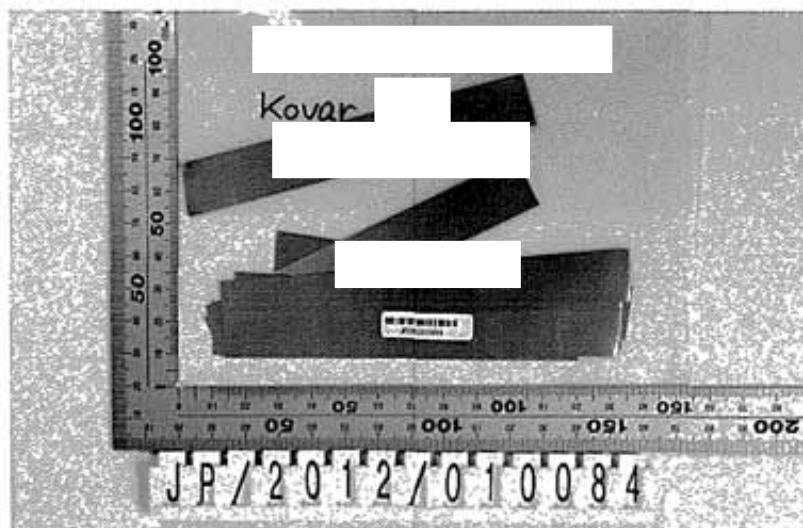
4) 分析責任者 Name of the person responsible for measurement: 大谷 真由美 Mayumi Otani



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### SAMPLE IMAGE



<END>

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