

REPORT NO. JP/2012/030035

DATE: March 27,2012

PAGE 1 OF 4

MURATA MANUFACTURING CO.,LTD.

2288 OSHINOHARA YASU-SHI SHIGA JAPAN

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 : Ceramic ZB 120227

CLIENT REF.NO 12027112

SAMPLE RECEIVED 2012/03/01

TESTING DATE 2012/03/01 TO 2012/03/26

TEST REQUESTED

分析項目

SELECTED TEST(S) AS REQUESTED BY CLIENT.

分析項目は顧客の要求によります。

TEST METHOD(S) 分析方法

; WITH REFERENCE TO IEC62321 EDITION 1.0 2008-12 FOR RoHS 6 SUBSTANCES.

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). 以下のページをご参照願います。 分析結果

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



REPORT NO. JP/2012/030035

DATE: March 27,2012

PAGE 2 OF 4

MURATA MANUFACTURING CO.,LTD.

2288 OSHINOHARA YASU-SHI SHIGA JAPAN

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))	mg/kg	N.D.	IEC62321 ED.1 ANNEX C	UV/VIS	2
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



REPORT NO. JP/2012/030035

DATE: March 27,2012

PAGE 3 OF 4

MURATA MANUFACTURING CO.,LTD.

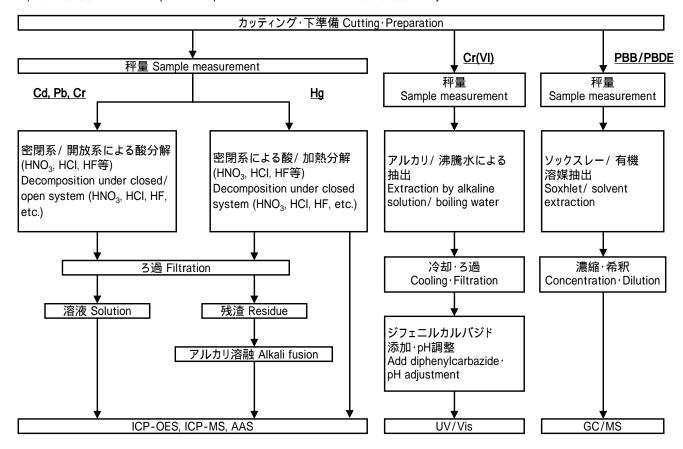
2288 OSHINOHARA YASU-SHI SHIGA JAPAN

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





REPORT NO. JP/2012/030035

DATE: March 27,2012

PAGE 4 OF 4

MURATA MANUFACTURING CO.,LTD.

2288 OSHINOHARA YASU-SHI SHIGA JAPAN

SAMPLE IMAGE



<END>