

Test Report No. JP/2005/031535 Date: June 15th, 2005

SHARP CORPORATION

282-1 HAJIKAMI, KATSURAGI-SHI, NARA

Report on the submitted samples said to be "PC817*****F"

Client Ref. No. : SP-05-012
 Sample Receiving Date : 03/30/2005
 Testing Period : 04/01/2005 TO 04/13/2005
 Color, Appearance etc. of the sample : 樹脂部:エポキシ樹脂、端子部:Cu合金(表面処理:SnCu),

Test Result :

Test Item	Unit	Result	Method	Instrument	Detection Limit
Cd	ppm	N.D	EPA3052	ICP-AES	2
Hg	ppm	N.D	EPA3052	ICP-AES	2
Cr6+	ppm	N.D	EPA3060A	UV-VIS	2
PBBs			-	GC/MS	
Bromobiphenyl	ppm	N.D	—	GC/MS	5
Dibromobiphenyl	ppm	N.D	—	GC/MS	5
Tribromobiphenyl	ppm	N.D	—	GC/MS	5
Tetrabromobiphenyl	ppm	N.D	—	GC/MS	5
Pentabromobiphenyl	ppm	N.D	—	GC/MS	5
Hexabromobiphenyl	ppm	N.D	—	GC/MS	5
Heptabromobiphenyl	ppm	N.D	—	GC/MS	5
Octabromobiphenyl	ppm	N.D	—	GC/MS	5
Nonabromobiphenyl	ppm	N.D	—	GC/MS	5
Decabromobiphenyl	ppm	N.D	—	GC/MS	5

Note:N.D = not detected

JP 607324

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No. JP/2005/031535 Date: June 15th, 2005

Test Item	Unit	Result	Method	Instrument	Detection Limit
PBDEs					
Monobromodiphenyl ether	ppm	N.D	—	GC/MS	5
Dibromodiphenyl ether	ppm	N.D	—	GC/MS	5
Tribromodiphenyl ether	ppm	N.D	—	GC/MS	5
Tetrabromodiphenyl ether	ppm	N.D	—	GC/MS	5
Pentabromodiphenyl ether	ppm	N.D	—	GC/MS	5
Hexabromodiphenyl ether	ppm	N.D	—	GC/MS	5
Heptabromodiphenyl ether	ppm	N.D	—	GC/MS	5
Octabromodiphenyl ether	ppm	N.D	—	GC/MS	5
Nonabromodiphenyl ether	ppm	N.D	—	GC/MS	5
Decabromodiphenyl ether	ppm	N.D	—	GC/MS	5

Note: N.D = not detected

* * * End of Report * * *

Signed for and on behalf of
 SGS Far East Ltd.
 Green Testing Center

後藤 邦彦



Kuniyuki Goto
 Laboratory Manager

JP 607325

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TEST REPORT

REPORT NO. JP/2006/031229

DATE: March 29th, 2006

PAGE: 1 OF 1

CLIENT : SHARP CORPORATION Opto-Analog Devices Div. Engineering Dept.,2
 SAMPLE DESCRIPTION : PC817*****F(Package)
 CLIENT REF.NO : SP-05-012 追加2
 TESTING DATE : 2006/03/23 TO 2006/03/28
 SAMPLE RECEIVED : 2006/03/16

WE HAVE TESTED THE SAMPLE(S) SUBMITTED AS REQUESTED AND THE FOLLOWING RESULTS WERE OBTAINED.

TEST ITEM(S)	UNIT	RESULT	METHOD	INSTRUMENT	DET.LMT(ppm)
LEAD(Pb)	ppm	N.D	EPA3052	ICP-AES	2

NOTE : N.D = not detected

<END>

後藤 邦之



Kuniyuki Goto / Laboratory Manager
 SGS Far East Ltd., Green Testing Center

JP 607388

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TEST REPORT

REPORT NO. JP/2006/031230

DATE: March 29th, 2006

PAGE: 1 OF 1

CLIENT : SHARP CORPORATION Opto-Analog Devices Div. Engineering Dept.,2
SAMPLE DESCRIPTION : PC817*****F LEADFRAME(SnCu Plating)
CLIENT REF.NO : SP-05-012 追加2
TESTING DATE : 2006/03/23 TO 2006/03/28
SAMPLE RECEIVED : 2006/03/16

WE HAVE TESTED THE SAMPLE(S) SUBMITTED AS REQUESTED AND THE FOLLOWING RESULTS WERE OBTAINED.

TEST ITEM(S)	UNIT	RESULT	METHOD	INSTRUMENT	DET.LMT(ppm)
LEAD(Pb)	ppm	N.D	EPA3051A	ICP-AES	2

NOTE : N.D = not detected

<END>

後藤 邦之



Kuniyuki Goto / Laboratory Manager
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TEST REPORT

REPORT NO. JP/2006/031231

DATE: March 29th, 2006

PAGE: 1 OF 1

CLIENT : SHARP CORPORATION Opto-Analog Devices Div. Engineering Dept.,2
 SAMPLE DESCRIPTION : PC817*****F LEADFRAME(No Plating)
 CLIENT REF.NO : SP-05-012 追加2
 TESTING DATE : 2006/03/23 TO 2006/03/28
 SAMPLE RECEIVED : 2006/03/16

WE HAVE TESTED THE SAMPLE(S) SUBMITTED AS REQUESTED AND THE FOLLOWING RESULTS WERE OBTAINED.

TEST ITEM(S)	UNIT	RESULT	METHOD	INSTRUMENT	DET.LMT(ppm)
LEAD(Pb)	ppm	N.D	EPA3051A	ICP-AES	2

NOTE : N.D = not detected

<END>

後藤 邦之



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