

中国认可 国际互认 检测 TESTING CNAS L6478



TEST REPORT

Reference No	WTF19F03017192A1R1C
Applicant	Mid Ocean Brands B.V.
Address	7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon,
	Hong Kong
Manufacturer	114276
Sample Name	Desktop lamp
Model No	MO9690
Test Requested	In accordance with the RoHS Directive 2011/65/EU and its amendment (EU) No. 2015/863.
Test Method	1) With Reference to IEC 62321-2:2013, disassembly, disjointment and mechanical sample preparation
	2) With Reference to IEC 62321-3-1:2013, screening - Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry
	3) With reference to IEC 62321-4:2013+AMD1:2017 CSV, determination of Mercury by ICP-OES
	4) With reference to IEC 62321-5:2013, determination of Lead and Cadmium by ICP-OES
	5) With reference to IEC 62321-7-2: 2017 and IEC 62321-7-1: 2015, determination of Hexavalent Chromium by UV-Vis
	6) With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS
	7) With reference to IEC 62321-8:2017, determination of Phthalates content by GC-MS.
Test Conclusion :	Pass (Based on the performed tests on the submitted samples, the results comply with the RoHS Directive 2011/65/EU and its amendment (EU) No. 2015/863)
Date of Receipt sample	2019-03-25 & 2019-05-10 & 2019-05-21 & 2019-05-28
Date of Test	2019-03-25 to 2019-03-30 & 2019-05-10 to 2019-05-29
Date of Issue	2019-05-30
Test Result : Remarks:	Please refer to next page (s)

The results shown in this test report refer only to the sample(s) tested; this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

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Test Results:

1. Lead, Mercury, Cadmium, Hexavalent Chromium, PBBs and PBDEs

Part No.	Part Description	Result	of XRF	Result of Wet Chemical Testing (mg/kg)	Conclusion on RoHS
M	An In In	Cd 🔨	BL	IT INTERNATION	111-1
.it	Tet stet stet with a	Pb	BL	i i i it	At
1	Silvery metal screw	∠ Hg ⊱	BL	NA	Comply
×	let get get get allet and	Cr	BL	- m m	it i
N	in which we are an a	Br	S BL	THE NUTER WITE IN	NET WAL
	at left reft reft alle	Cd v	BL	s sur all s	A It
INIT	while while where where	Pb	BL	Tex strek with and	IE. WALTE
2	2 Black plastic sheet	J ^C Hg J	JUBL V	NA	Comply
NLTER		Cr	BL	et the the state	MITE N
		Br	J BLAN	me me m	20.
1 Et	net white whe whe will	Cd	BL	t set set set	ALTERIN
~	i i i it it	Pb	BL	ant wat was	21, 24.
3	White plastic shell	Hg	BL	NA NA	Comply
m	and the state	Cr 🔬	BL	up it whit whit wh	211
	the street intraction of the second	Br w	BL	a at at a	et set
n	4 Transparent plastic sheet	Cd	BL	LT WITT WALL WAL	m
let		Pb	BL	NA	let
4		Hg	BL		Comply
×		Cr	BL		
N		Br	BL		min wat
	at at at at	Cd	BL	20. 20. 4	1
ini	it water water water was	Pb	BL	Tet ster street	TE NALTE
5	Dark grey plastic sheet without silvery coating	Hg n	JUBL V	PBBs : ND PBDEs : ND	Comply
NITE	Silvery coating	Cr	BL		
3 0		Br	N IN N	and the solution	20.
TER	NITE.	Cd	BL	L TEX TEX	ALTERNO
		Pb	BL	Mr sur sur	24. 25.
6	Silvery coating	Hg	BL	NA	Comply
-m	30 St At At	Cr	BL	white white white w	. m.
~	at the street where white	M Br	BL	a at at	et set
m	Mr. m. m.	Cd	BL	12 NOLTE WALL WAL	m
,et	TEX LIFE NIFE MUTER N	Pb	SP 20	t at a	- At
7	Red plastic wire covering	,,⊱Hg ,,,+	BL	NA	Comply
A	alt alt alt alter was	Cr	BL	in the st	it.
	nt whi whe will	Br	BL Ø	- LIEK OLIEN ONTE	until whit
	at let set set out	Cd J	BL	The shi sh	1 1
in	in white white sure in	Pb	BL	THE LIFE NUTER OF	ITE MALTE
8	Blue plastic wire covering	Hg	BL	NA	Comply
NUTE	white white white with	Cr	BL	at the the	at intres
v_{n}	t at	S Br	BL	L' WILL WILL WILL	20.



Part No.	Part Description	Int Description Result of XRF		Result of Wet Chemical Testing (mg/kg)	Conclusion on RoHS
, fe	atter with white white	Cd	BL	t at at 5	* 11
NUL	with the state of the	Pb S	BL	it's white white white	me a
9	Silvery metal wire	Hg	BL	NA NA	Comply
N .s	une sur sur se	Cr d	S BLS	antife white white	mur in
A	ret tet the with a fet out	Br	BL		At A
II.	a mar mar an	Cd	BL	JIE MIENNIE N	U.S. MUT.
	t set set set set site	Pb	BL		A At
10	Yellow-white glue	Hg		Comply	
	the set set	Cr	BL S	1 Mr. Da de	
NUTE	LTE UNLIE WALL WALL WALL	Br	BL	de the tree wife	MUTE N
	s at at at	Cd	BL	- Ant Ant on	
TER	NITE MITTE WALT WALT WIT	Pb	BL /	* set set set	MUTER MU
11	Chip LED	Hg	BL	NA NA	Comply
*	fex wifer with while	Cr	BL	the set set	JEK NIE
m	w w	Br	BL	where while where wh	211
	the street intraction of a street of	Cd	BL		at Jat
MULT	when the second	Pb	BL	it's white white whe	m
12	12 Solder	Hg	BL	NA	Comply
		Cr	BL		when wh
A		Br	BL		At A
12	at me me	Cd	BL	NUTE INTE MALT	INT. MIL
	at all the star	Pb	BL	A SU SU	at at
13	Silvery metal sheet with white	Hg	BL	NA	Comply
	plating	Cr N	SUBL V		L A
NUTE	Nr Mr. Aur	Br	BL	t IF ALTER MIT	NALTE N
		Cd	M BL		-
TEX	NUTE .	Pb	BL	e a ret tret	NUTERNIN
14	Silvery metal sheet	Hg	BL	NA NA	Comply
*	TER NUTER WALTE WALT WA	Cr	BL	at set set	LIEK NITE
-211	st at at	Br	BL	all white white w	- m
. Se	t street with white white	Cd	BL	at at at a	et un
m	all an art	Pb	BL	NE WALL WALL WAL	me.
15	Silvery metal spring	Hg	BL	NA	Comply
nt.	when the second second	A Cr A	BL	IE MALTE MALTE WALL	me m
.t	tet tet tiet with all	Br	BL	t t	lit is
5	of any an an	Cd -	ار B	A NUTER WITE WALTS	int. whit
L	at let get wet with	JPb J	BL	All All M	at at
16	White sponge foot pad	Hg	BL	NA STA	Comply
	- at let get with	Cr N	_ ∬BL ·	all all an an	
NITE.	inter water water wa	Br	BL	at the the set	



Part No.	Part Description	Part Description Result of XRF		Result of Wet Chemical Testing (mg/kg)	Conclusion on RoHS
	atter with white white	Cd	BL	t at at a	A JIE
nur	sur sur st at	Pb S	BL S	it would write write	201 - 2
17	White plastic shell of plug	Hg	BL	NA NA	Comply
N - N	he m m	∠ Cr⊘-	S BLS	- INTE WALT WAL	me m
et !	ret ret with with wh	Br	BL		At A
N	Mar	Cd	BL ^{CT}	UTER INDE WALLEY	UT MIT
	t ret ret tret wire	Pb S	BL		at let
18	Silvery metal shell of plug	Hg	BL	NAN ¹	Comply
	at let tet tet	Cr	BL	1 - 20 - 20 - 2	LA
NUTE	NALTE WALL WALL WALL	Br	BL	ret uter uter nute	WALTE N
	t at alt alt	Cd	BL	we we en	
TER	LITE WALT WALL WITH M	Pb	BL	+ ret set set	INLIER INI
19	White plastic sheet of plug	Hg	BL	NA NA	Comply
*	et outer wouter would	Cr	BL	at at at	ITEK INLIE
201	Ju Ju Alt	Br N	BL	with white white wi	24
	auter intro white white	Cd	BL	NA	
NUL	20 Solder	Pb	BL		m
20		Hg	BL		Comply
5		Cr	BL	The south water water	me m
at .		Br	BL	a at at	At A
J.	- m m r	Cd	BL	BLICK NICK MALL	ine ma
	st rest rest une	Pb	BL	3	at at
21	Silvery metal pin of plug	Hg	BL	NA ST NA	Comply
	at set set set	Cr	JUBL V	n m n r	L A
NLIE	and the state of the	Br	BL	TEK ALTER MUTE	NALTE M
		Cd	BL BL	201 201 20	4
JEK .	street and the second	Pb	BL	L A TEX TEX	INLIER NN
22	Silvery metal pin of plug	Hg	BL	NA NA	Comply
*	ret intreasting white white wh	Cr	BL	at all all	LIEK NIF
-2m	M + A A	Br	BL	MILTE WAL WAL W	211
	alifett white white white	Cd	BL	at the table of	Et JEt
white	we we we at	Pb	BL	N' WALL WALL WAL	MA
23	Black plastic sheet of plug	Hg	BL	PBBs : ND	Comply
N-1 1	ne me m	the Cr	BL		with m
A	set set site stret w	Br	IN IN	the state	it i
ne.	i. M. M. W.	Cd	John BL	ALTER MITE MAILE	with white
	at left ret ret int	Pb v	BL	An In In	A A
24	Solder	Hg	,⊢ BL,⊢	NA SINA SI	Comply
	at at at ste	Cr N	_√BL →	Mr. Mr. M. M.	
JIE.	white white white white	Br	BL	at the set of	at NITER



Part No.	Part Description	Result o	f XRF	Result of Wet Chemical Testing (mg/kg)	Conclusion on RoHS
	atter white white white	Cd	BL	t at at a	A LIFE
nur	with the state of the	Pb S	BL	it watty wat wat	
25	White plastic shell of plug	Hg	BL	NAX A	Comply
12 - 21	in the state	Cr Cr	S BLS	- INLIES WALTE WALT	me m
at .	ret ret ret wret wret m	Br	BL		
1/2	and the second second	Cd	BL	LIE NITE NATE N	U.S. MILL
	t set set ster ster	Pb	BL	24° 10° 11° 1	
26	Silvery metal shell of plug	Hg	BL	NAN	Comply
	the set of	Cr	BL S	the man in the	
NUTE	street inter white white white	Br	BL	d the state state	
	t at at at	Cd	BLN	- m - m - m	
JEK .	tites white white white wh	Pb	, BL ,	t the set set	
27	Green PCB	Hg	BL	PBBs : ND	Comply
it it	et intreasonates invite	Cr	BL	PBDEs : ND	JEK NITE
m	W W AND	Br	IN	in the second second	
	sufer alle and water	Cd	BL		et Jet
WILL	all an are	Pb	BL	it a white white whe	
28	28 Solder	Hg	BL	NA	Comply
n 1 3		Cr	BL		when wh
A		Br	BL		
1	and the state of the	Cd	BL	alle alle antice	IN MAL
	t at the the	Pb	BL		Comply
29	Chip IC	Hg	BL	PBBs : ND PBDEs : ND	
	at at the set	South Cr. South	SUBL 4		
NLIE	and the state of the	Br	IN	t IF ALTER MIT	
		Cd	M BL		4
UER .	uter i	Pb	IN	L A TEK JEK	
30	Chip audion	Hg	BL	Pb :88	Comply
1× . C	LEX NUTER WALTE WALT WAT	Cr	BL	at at at	
-211	where the second	Br	BL	WELT WALL WALL W	
	alife outer white white	Cd	BL	at at at a	Et JEt
MUL	with the second second	Pb S	BL	NT WALT WALT WAL	
31	Chip capacitor	Hg	BL	NA	Comply
mt v	NUT ANY ANY ANY	Cr Cr	BL	te intre intre white	
.t	alt alt alt alt with a	Br	BL	the state	
12	is the the th	Cd	🖉 BL 🖉	ALTER MITE MUT	nut mur
L .	at wet wet wet whit	NPb N	[#] OL	an an an	
32	Chip diode	Hg	BL	NA STATUS	Comply
	at let tet with	Cr S	BL	M M M M	
NITE.	white white white we	Br	BL	at the the it	



Part No.	Part Description	Result of	f XRF	Result of Wet Chemical Testing (mg/kg)	Conclusion on RoHS
. fli	alter atte water water	Cd	BL	at at at 5	A LIFE
with	M M t	Pb S	BL	it watte water water	m n
33	White plastic wire covering	Hg	BL	NAX A	Comply
n s	no su su si	Crot .	S BL S	- INTERNATION WALK	mer me
at .	TEX TEX STEP NITER WA	Br	BL	a at at	At A
N	M. M. A.	Cd	BL	WIFE WALTS WALT W	in m
t je	A ret wet with a ret aure	Pb	*OL		at at
34	Chip resistor	Hg	BL	NAN	Comply
	let ret ret ster street	Crow	JAN BL J		t it
INLIE.	with white white when a	Br	BL	ret with with white	White wi
-	at at the test	Cd	BLM	m m	
THE .	NIT WALL WALL WALL W	Pb	BL 🖉	t ret ster street	MALTE MALT
35	Solder	Hg	BL	NA NA	Comply
	In the water water water	Cr	BL	Tet tet the	
20		Br	BL	we want we we	24
	NITE UNITE WAY WAT	Cd	BL	at the test of	et uter
m	The second second	Pb	A IN 🕠	it whit whit whe	201 2
36	36 Solder	Hg	BL	Pb :309	Comply
		Cr	S BL		Mur Mr
.et	TEX LIFEX ALTER ANY	Br Br	BL		at st
	the me me	Cd	BL	NHE WALTE WAL	w. mu
L .	et tet tet stet stre	Pb	BL		it it
37	Solder	Hg	BL	NA	Comply
	ret ret tret with	Cr N	JUBL V		t st
. NLTE	we we are	Br	BL	t IF ALTER MIT	NNLI N
s.		Cd	BL	and the second s	.+
LIEN ,	NUT I	Pb	BL	I A JEK NUTER	INLIE MAL
38	Coppery metal foil	Hg	BL	NA NA	Comply
	TER WALTE WALT WALK WAY	Cr	BL	At the set	ITER MITE
20	the second second	Br	BL	with white white w	201
	NUTER INTER WALT WALT	Cd	BL	at let let it	EX NITER
m	where the state	Pb 🔗	BL	Nº WILL WILL WIT	1º 1
39	Solder	Hg	BL	NA	Comply
IL.	an an an	A Cr A	BL	ite white white white	mr. m
.t	the state state out w	Br	BL	i it it	at a
	I WA WI W	Cd	d BL	NITER WALTE WALT	NUT NUT
÷.	et the tet atter and	Pb V	BL	PBBs : ND	Comply
40	Green PCB	Hg	BL	PBBs : ND PBDEs : ND	
	- et ret ret mire	Cr S	BL		
NITE	unit with white we	Br	IN	AND STEP STEP NT	Intit in



Part No.	Part Description	Result of	f XRF	Result of Wet Chemical Testing (mg/kg)	Conclusion on RoHS
<u></u>	aller oute south work w	Cd	BL	t at at it	A UTER
	which we want the	J-Pb J	BL S	is white white white	2112 2
41	Silvery metal shell of socket	Hg	BL	NA NA	Comply
	une with which we are	Cr	S BL S	intre- white white	nut in
	ret ret uset when my	Br	BL	- St At At	At A
17	M M M	Cd	BL	UTE INTE MALTE	U. M.
	at set set set with	Pb	BL	2 m 1	A At
42	Silvery metal pin of socket	Hg	BL	NAN	Comply
		Cr	BL	the the the second	L
	inter white white where the	Br	BL	de the tree wife	INLIE N
	L AL AL AL	Cd	BL	- ANT ANT ON	
	INTER MUTE WALL WALL W	Pb	, BL ,	t alt set set	INLIER INLI
43	Black plastic core of socket	Hg	BL	NA NA	Comply
	TER INTER WATE WALT	Cr	BL	the state	LIEK WALTE
	3 ¹⁰	Br	BL	white white white wh	
	the state with and a	Cd	BL	s it it i	et jet
	with the state	Pb	BL	NA	m
44	44 Black plastic film of electrolytic	Hg	BL		Comply
		Cr	BL		mur mu
		Br	BL		At A
4	Cd BL	aller when when	ILT MIL		
	at let let be	Pb	BL		Comply
45	Silvery metal shell of electrolytic	Hg	BL	NA	
	capacitor	Cr S	BL		
	We the average	Br	BL		MALTE N
		Cd	BL		
	auter in the second	Pb	BL	J A TEX TEX	NUTERNIN
46	Black rubber stopper of electrolytic	Hg	BL	NA	Comply
	capacitor	Cr	BL	et set set	LITEK NITE
		Br	BL	Mitte water water w	201
3	at all the mark and and a	Cd	BL	the state of	et Jet
	M 30 1	Pb S	BL	nt white white white	- Mr.
47	Silvery metal pin of electrolytic	Hg	BL	NA A	Comply
	capacitor	Cr Cr	S BL S	it white white white	me m
	- ret ret tree with	Br	BL		At 1
1	1 cr nu nu nu	Cd	BL	NITE INTERNITE	ne me
	at set set whit	NPb N	BL		at at
48	Grey metal foil of electrolytic	Hg	BL	NA NA	Comply
	capacitor	Cr V	BL	an An An An	Comply
	mit white when the	Br	BL	at the the st	



Part No.	Part Description	Result	of XRF	Result of Wet Chemical Testing (mg/kg)	Conclusion on RoHS
JUE	WALTER MALTE WALT WALT	Cd Cd	BL	at the set of	A NUTER
un.		Pb S	BL	it wat was not	20 2
49	Silvery-grey metal foil of electrolytic capacitor	Hg	BL	NA NA	Comply
1	electrolytic capacitor	d Cr∂	S BL S	white white white	me m
et .	TEX STEX NUTER MUTER WAY	Br	BL	s at at	Alt St
. M	- Juli - Jr	Cd	BL	white white white of	Un Mir
e	t ret ret stret stret stre	Pb v	BL	The state	at set
50	Brown paper of electrolytic	Hg	BL	NAN	Comply
	capacitor	Cron	ST BL		t st
MILLE .	white white whe when	Br	BL	ret strek outer white	white w
	at at all the	Cd	M BLM	241 241	
LTER N	NITE WALL WALL WALL WI	Pb	BL 🖉	t tet ster street	INLIE INNLI
51	51 Chip capacitor	Hg	BL	NA NA	Comply
et al		Cr	BL	let set set	
201	A At A Att	Br	BL	ville ville ville vil	
	NUTER INTERIOR	Cd	BL	at set set is	et aller
m	2h A A	Pb	BL	it's write write write	-m -
52	White plastic wire jacket	Hg	BL	NA NA	Comply
nr x	Mr. M. S.	Cr	BL V	NALTE WALL WALL	
et .	TEX LIEK NITER WAY	Br	BL	s at at	1th 51
11	The In.	Cd	BL	NITE WALL WALL V	we we
+ <	et tet utet suter	Pb	BL		it it
53	Red plastic wire covering	Hg	BL	NA NA	Comply
	alt set set ster ster	M Cr.M	J ⁰ BL →		t st
MITE	ne ne ne	Br	BL	TEL NUTEL MUT	white w
4		Cd	BL		
LIEL		Pb	BL	L A TEX NUTER	INLIE WAL
54	Black plastic wire covering	Hg	BL	NA NA	Comply
et al	ret intre watte water wa	Cr	BL	the set set	LIER MITE
-24	the state of the	Br	BL	Mer whe she w	-24
	NETES INTE WALL WALL	Cd	BL	at at at a	EK JIEF
MU	IN JULY	Pb d	BL	nt white white white	-m
55	Coppery metal wire	Hg	BL	NA NA	Comply
JUL -	ru. ru. ru	Cr St	BL	in white white white	
at .	ret ret tret with w	Br	BL		At A



Remark:

(1) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-VIS (for Cr⁶⁺) and GC-MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1; 2013 (unit; mg/kg)

Element	Polymer	Metal	Composite Materials
Cd	$BL \le (70-3\sigma) < IN < (130+3\sigma)$ $\le OL$	$BL \le (70-3\sigma) < IN < (130+3\sigma)$ $\le OL$	$LOD < IN < (150+3\sigma) \le OL$
Pb	BL ≤ (700-3σ) < IN < (1300+3σ) ≤ OL	BL ≤ (700-3σ) < IN < (1300+3σ) ≤ OL	$BL \le (500-3\sigma) < IN < (1500+3\sigma) \le OL$
Hg	BL ≤ (700-3σ) < IN < (1300+3σ) ≤ OL	BL ≤ (700-3σ) < IN < (1300+3σ) ≤ OL	BL ≤ (500-3σ) < IN < (1500+3σ) ≤ OL
Cr	BL ≤ (700-3σ) < IN	BL ≤ (700-3σ) <in< td=""><td>BL ≤ (500-3σ) < IN</td></in<>	BL ≤ (500-3σ) < IN
Br	BL ≤ (300-3σ) < IN	- at the set of	BL ≤ (250-3σ) < IN

BL= Below Limit OL= Over Limit LOD = Limit of Detection -- = Not Regulated

(2) "IN" expresses the inconclusive region, and further chemical testing to confirm whether it complies with the requirement of RoHS Directive.

- (3) The XRF screening test for RoHS elements the reading may be different to the actual content in the sample be of non-uniformity composition.
- (4) mg / kg =milligram per kilogram=ppm, based on the dry weight of tested sample.
- (5) ND = Not Detected, less than the value of Method Detection Limit.
- (6) NA = Not Applicable, as the XRF screening test result was below the limit, it was not need to conduct the wet chemical testing.
- (7) MDL= Method Detection Limit in wet chemical test.

Test Items	∠ Pb ←	Cd	Hg	C C	r ⁶⁺	PBB	PBDE
Units	mg/kg	mg/kg	mg/kg	mg/kg	µg/cm ²	mg/kg <	mg/kg
MDL	2	2	2	2	0.1	5.0	v ¹ 5 v

The MDL for single compound of PBBs and PBDEs is 5mg/kg, MDL of Cr^{6+} for polymer and composite sample is 2mg/kg and MDL of Cr^{6+} for metal sample is $0.1\mu g/cm^2$.

(8) According to IEC 62321-7-1:2015, determined of Cr⁶⁺ on metal sample by boiling water extraction test method, and result is shown as Positive/Negative.

Boiling water extraction:

Negative = Absence of Cr^{6+} coating, the detected concentration in boiling water extraction solution is less than 0.10 ug/cm².

Positive = Presence of Cr^{6+} coating, the detected concentration in boiling water extraction solution is greater than 0.13ug/cm².

Information on storage conditions and production date of the tested sample is unavailable and thus Cr⁶⁺ results represent status of the sample at the time of testing.

- (9) * = According to the declaration from client, the source of lead in test sample could be from the glass or ceramic material of that electronic component which is exempted by Directive 2011/65/EU.
- (10)[#] = According to the declaration from client, the source of lead in test sample could be from the high melting temperature type solders (i.e. lead based alloys containing 85% by weight or more lead) is exempted by Directive 2011/65/EU.
- (11)As per client's requirement, results of specimen from 1 to 30, from 32 to 43 are extracted from report No. WTF19F03017192C.



2. Phthalates (DEHP, BBP, DBP, DIBP)

Test items	Result (mg/kg		Limit (mg/kg)
man mi m	No.2	No.3	(mg/kg)
Bis(2-ethylhexyl)-phthalate (DEHP)	263	<50	1000
Dibutyl phthalate (DBP)	<50	<50	1000
Benzylbutyl phthalate (BBP)	<50	<50	1000
Diisobutyl phthalate (DIBP)	<50	<50	v 1000 v

Test items	Result (mg/kg	Limit	
TEX STER NUTE WATE WATE	No.4	No.5	(mg/kg)
Bis(2-ethylhexyl)-phthalate (DEHP)	<50	<50	1000
Dibutyl phthalate (DBP)	<50	<50	1000
Benzylbutyl phthalate (BBP)	<50	<50	~1000 ~°
Diisobutyl phthalate (DIBP)	<50	<50	1000

Test items	Result (mg/kg)		Limit
	No.6	No.7	(mg/kg)
Bis(2-ethylhexyl)-phthalate (DEHP)	<50	142	1000
Dibutyl phthalate (DBP)	<50	<50	1000
Benzylbutyl phthalate (BBP)	<50	<50	1000
Diisobutyl phthalate (DIBP)	<50	<50	1000

Test items	Result (mg/kg)		Limit
	No.8	No.10	(mg/kg)
Bis(2-ethylhexyl)-phthalate (DEHP)	<50	<50	1000
Dibutyl phthalate (DBP)	<50	<50	1000
Benzylbutyl phthalate (BBP)	<50	<50	1000
Diisobutyl phthalate (DIBP)	<50	<50	1000



Test items	Result (mg/kg)		Limit
a at at at	No.11+No.27+No.29 [△]	No.16	(mg/kg)
Bis(2-ethylhexyl)-phthalate (DEHP)	<50	<50	1000
Dibutyl phthalate (DBP)	<50	<50	1000
Benzylbutyl phthalate (BBP)	<50	<50	1000
Diisobutyl phthalate (DIBP)	<50	<50	1000

Test items	Result (mg/kg)		Limit
antit ant wat with se	No.17	No.19	(mg/kg)
Bis(2-ethylhexyl)-phthalate (DEHP)	<50	<50	1000
Dibutyl phthalate (DBP)	<50	<50	1000
Benzylbutyl phthalate (BBP)	<50	<50	1000
Diisobutyl phthalate (DIBP)	<50	<50	1000

Test items	Result (mg/kg)		Limit
	No.23	No.25	(mg/kg)
Bis(2-ethylhexyl)-phthalate (DEHP)	<50	<50	1000
Dibutyl phthalate (DBP)	<50	<50	1000
Benzylbutyl phthalate (BBP)	<50	<50	1000
Diisobutyl phthalate (DIBP)	<50	<50	1000

Test items	Result (mg/kg)		Limit
	No.30+ No.32 [△]	No.31+ No.51 [△]	(mg/kg)
Bis(2-ethylhexyl)-phthalate (DEHP)	<50	<50	1000
Dibutyl phthalate (DBP)	<50	<50	1000
Benzylbutyl phthalate (BBP)	<50	<50	1000
Diisobutyl phthalate (DIBP)	<50	<50	1000

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Test items	Result (mg/kg)		Limit
	No.33	No.34+No.40 [△]	– (mg/kg)
Bis(2-ethylhexyl)-phthalate (DEHP)	5	<50	1000
Dibutyl phthalate (DBP)	<50	<50	1000
Benzylbutyl phthalate (BBP)	<50	<50	1000
Diisobutyl phthalate (DIBP)	<50	<50	1000

Test items	Result (mg/kg)		Limit
	No.43	No.44+No.46+ No.50 [△]	(mg/kg)
Bis(2-ethylhexyl)-phthalate (DEHP)	<50	<50	v 1000
Dibutyl phthalate (DBP)	<50	<50	1000
Benzylbutyl phthalate (BBP)	<50	<50	1000
Diisobutyl phthalate (DIBP)	<50	<50	1000

Test items	Result (mg/kg)		Limit
	No.52	No.53	(mg/kg)
Bis(2-ethylhexyl)-phthalate (DEHP)	<50	70	
Dibutyl phthalate (DBP)	<50	88	1000
Benzylbutyl phthalate (BBP)	<50	<50	<u>1000</u>
Diisobutyl phthalate (DIBP)	<50	62	1000

Test items	Result (mg/kg)	
A LITER ALTER MUTE MALTE	No.54	(mg/kg)
Bis(2-ethylhexyl)-phthalate (DEHP)	<50	1000
Dibutyl phthalate (DBP)	<50	1000
Benzylbutyl phthalate (BBP)	<50	1000
Diisobutyl phthalate (DIBP)	<50	1000

Note:

(1) "<" = less than

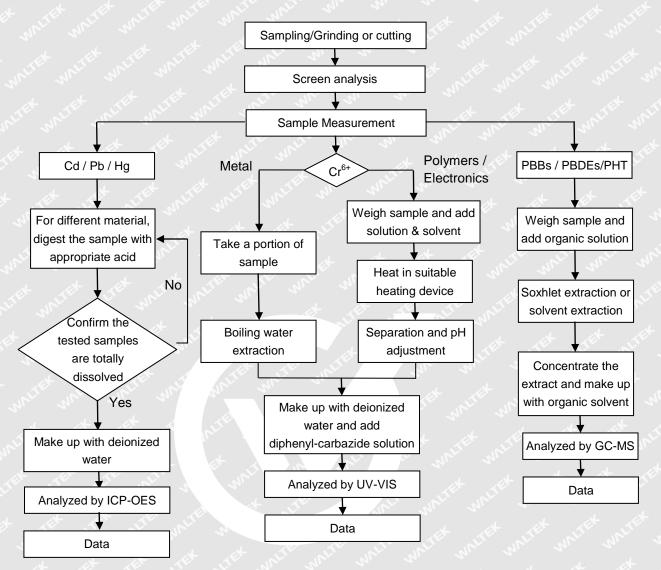
(2) mg/kg = milligram per kilogram= ppm

(3) "△"= As client's requirement, the testing was conducted based on mixed components, results are calculated by the minimum weight of mixed components.

(4) As per client's requirement, results of specimen from 2 to 8, 10, 11, 16, 17, 19, 23, 25, 27, 29, 30, from 32 to 34, 40, 43 are extracted from report No. WTF19F03017192C.



Measurement Flowchart:



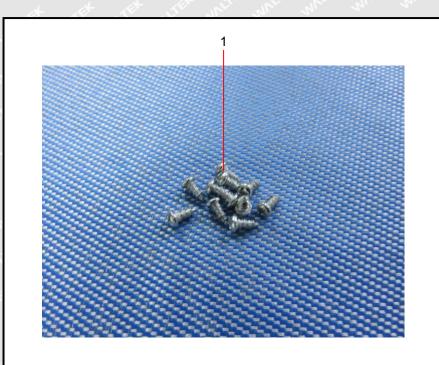


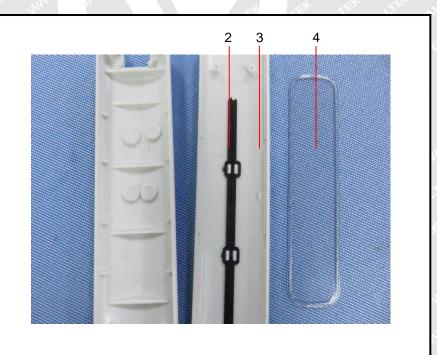
Sample Photo:



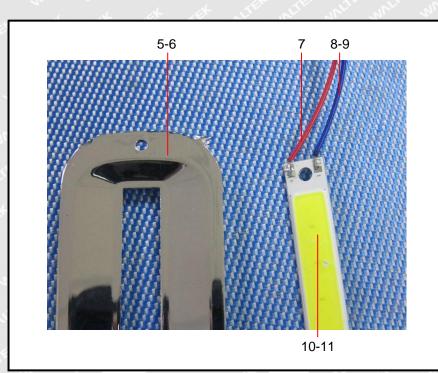


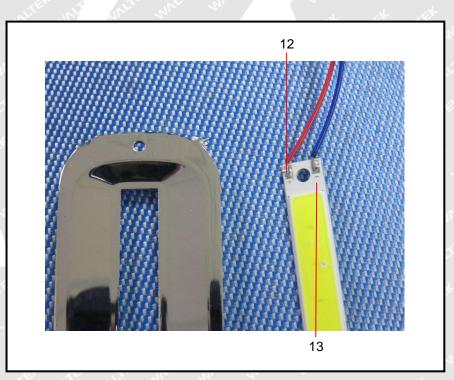
Photograph of parts tested:



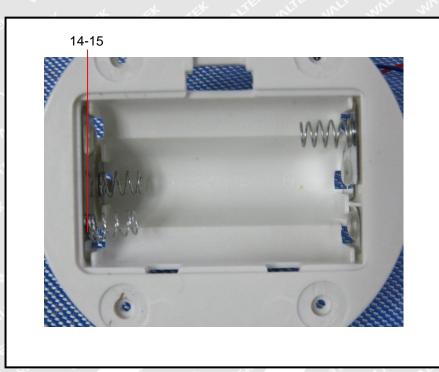


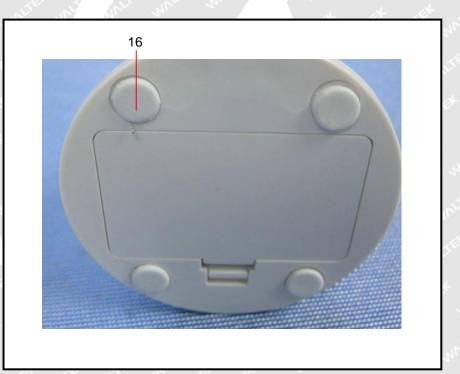




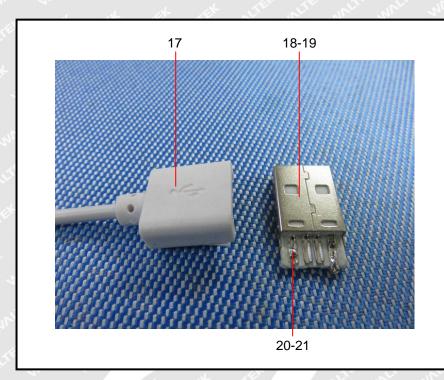


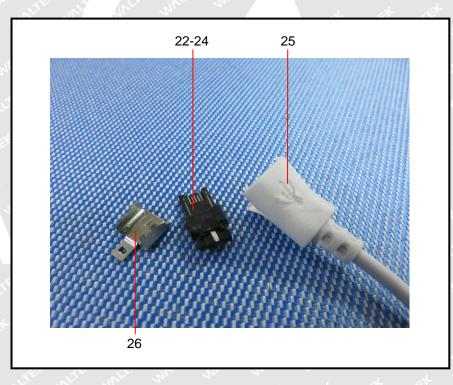




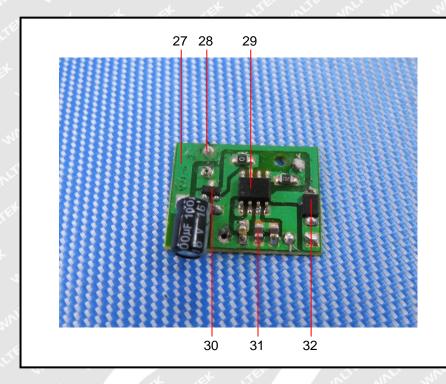


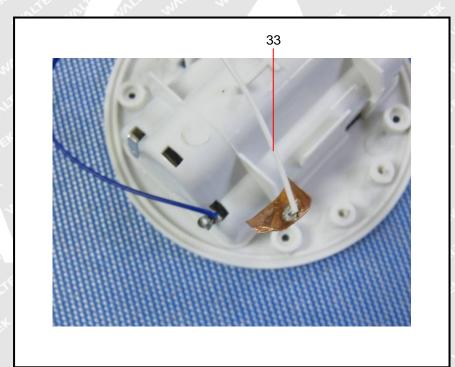




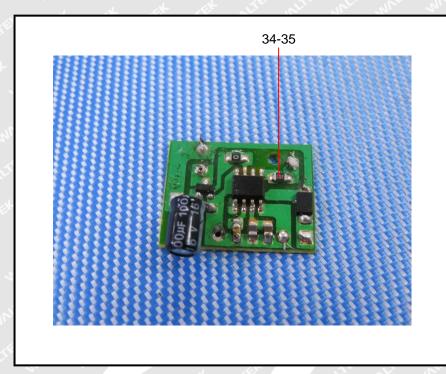


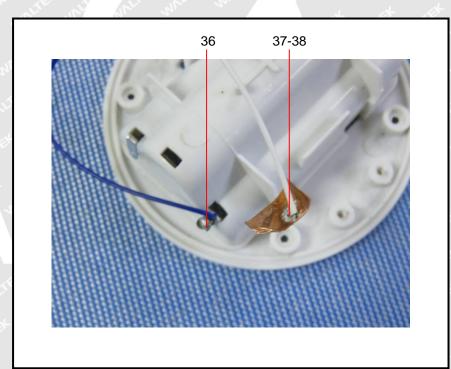




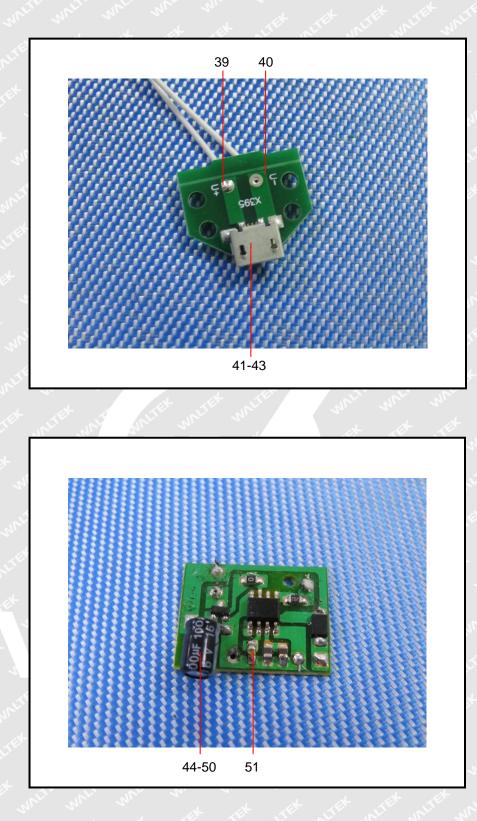




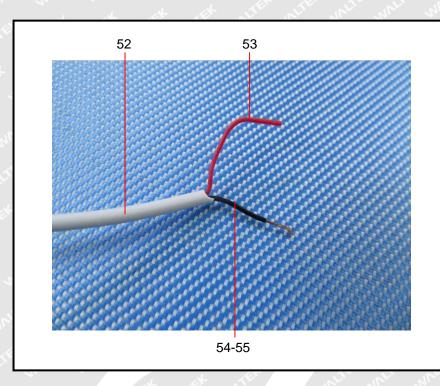












===== End of Report =====