

# Test Report

**Applicant's name**.....: Guangzhou Taipeng Electrical Appliances Technology Co.,Ltd  
**Address** .....: Room705, Shenchanli Building, Dongguanzhuang Road, Tianhe Distr.,Guangzhou,China  
**Manufacturer** .....: Guangzhou Taipeng Electrical Appliances Technology Co.,Ltd  
**Address** .....: Room705, Shenchanli Building, Dongguanzhuang Road, Tianhe Distr.,Guangzhou,China  
**Trade Mark**.....: N/A

**Test item description**.....: Electric Kettle  
**Model/Type reference**.....: TPSK0318-15, TPSK0318-18,TPSK0318,TPSK0315-15,TPSK0315,TPSK0818-15,TPSK0818,TPSK0415-15,TPSK0415,TPSK0418-18,TPSK0418,TPSK0515,TPSK0518,TPSK0815-15,TPSK0815,TPSK0618-18,TPSK0618,TPSK0310,TPSK5118

**Report Number** .....: B1809TR8118R  
**Date of receipt of test item**..... Sep. 04, 2018  
**Date(s) of performance of tests**..... Sep. 04, 2018 ~Sep. 11, 2018

**Test Requested:**

- (1) For compliance with RoHS directive 2011/65/EU to determine the Lead, Cadmium, Mercury, Chromium in the submitted sample.
- (2) Determination of Polybrominated Biphenyl (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP) of the submitted sample.

**Test Method:**

- (1) With reference to IEC 62321-3-1:2013, scanning by XRF Spectroscopy
- (2) Chemical test method:
  - With reference to IEC 62321-5:2013, determination of Lead, Cadmium, by ICP
  - With reference to IEC 62321-4:2013, determination of Mercury by ICP
  - With reference to IEC 62321:2008,determination of Hexavalent Chromium by UV-VIS
  - With reference to IEC 62321:2008,determination of PBBs and PBDEs by GC-MS
  - With reference to EN 14372:2004,determination of DBP, BBP, DEHP, DIBP by GC-MS

**Test Results:** Please refer to next page.

**Conclusion:**

The test result of submitted sample complies with the requirement of 2011/65/EU.

**Signed for and on behalf of**  
**Shenzhen Bory Technology Service Co., Ltd.**



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**Peter Zhu**  
**PSQ Executive**

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# Test Report

## Product description

No.	Sample of Description
1	Body
2	Spout
3	Heating Disc
4	Screws
5	Aluminium
6	Screws
7	Heating Tube
8	Themr Osta T
9	Body Cover
10	Raiting Laber
11	Lamp Cover
12	Screws
13	Power Base
14	Connector
15	Wire Disc
16	Screws
17	Qua I fied Indic
18	Power Cord
19	Internal Wire
20	Warning Indicat
21	Lower Frame
22	Handle
23	Screws
24	Handle Cover
25	Screws
26	Under Frame
27	Steam Box
28	Steam Switch
29	Spn Ng
30	Switch Knob
31	Screws
32	Screws
33	Decoratiev Rin
34	Top Cover

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# Test Report

No.	Sample of Description
35	Lock
36	lower Cover

## Test Results:

Test Items	Test Method/ Equipment	MDL	EU ROHS Directive 2011/65/EU and its amendment Directive EU 2015/863
<b>Lead(Pb)</b>	Refer to	2ppm	1000ppm
<b>Cadmium(Cd)</b>	IEC62321-5:2013. ICP-AES/AAS	2ppm	100ppm
<b>Mercury(Hg)</b>	Refer to IEC62321-4:2013. ICP-AES	2ppm	1000ppm
<b>Hexavalent Chromium(Cr(VI)) by Alkaline extraction</b>	Refer to IEC 62321:2008. UV-VIS	2ppm	1000ppm
<b>Polybrominated Biphenyls(PBBs)</b>		---	---
Monobromobiphenyl		5ppm	
Dibromobiphenyl		5ppm	
Tribromobiphenyl		5ppm	
Tetrabromobiphenyl		5ppm	
Pentabromobiphenyl		5ppm	
Hexabromobiphenyl		5ppm	1000ppm
Heptabromobiphenyl		5ppm	
Octabromobiphenyl		5ppm	
Nonabromobiphenyl		5ppm	
Decabromobiphenyl	Refer to IEC 62321:2008.	5ppm	
<b>Polybrominated Diphenylethers (PBDEs)</b>	GC-MS	---	---
Monobromobiphenyl ether		5ppm	
Dibromobiphenyl ether		5ppm	
Tribromobiphenyl ether		5ppm	
Tetrabromobiphenyl ether		5ppm	
Pentabromobiphenyl ether		5ppm	1000ppm
Hexabromobiphenyl ether		5ppm	
Heptabromobiphenyl ether		5ppm	
Octabromobiphenyl ether		5ppm	

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Nonabromobiphenyl ether	Refer to BS EN 14372:2004, GC-MS	5ppm	1000ppm
Decabromobiphenyl ether		5ppm	
Dibutyl phthalate (DBP)		30ppm	
Butylbenzyl phthalate (BBP)		30ppm	
Di-(2-ethylhexyl) Phthalate (DEHP)		30ppm	
Di-iso-butyl phthalate (DIBP)	30ppm		

No.	Pb (ppm)	Cd (ppm)	Hg (ppm)	Cr (ppm)	PBBs (ppm)	PBDEs (ppm)	DBP (ppm)	BBP (ppm)	DEHP (ppm)	DIBP (ppm)
9	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
10	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
11	BL	BL	BL	IN	N.D.	BL	BL	BL	BL	BL
12	BL	BL	BL	BL	N.D.	BL	BL	BL	BL	BL
13	BL	BL	BL	BL	N.D.	BL	BL	BL	BL	BL
14	BL	BL	BL	BL	N.D.	BL	BL	BL	BL	BL
15	BL	BL	BL	BL	N.D.	BL	BL	BL	BL	BL
17	BL	BL	BL	BL	N.D.	BL	BL	BL	BL	BL
18	BL	BL	BL	BL	N.D.	BL	BL	BL	BL	BL
19	BL	BL	BL	BL	N.D.	BL	BL	BL	BL	BL
20	BL	BL	BL	BL	N.D.	BL	BL	BL	BL	BL
21	BL	BL	BL	BL	N.D.	BL	BL	BL	BL	BL
22	BL	BL	BL	BL	N.D.	BL	BL	BL	BL	BL
23	BL	BL	BL	BL	N.D.	BL	BL	BL	BL	BL
24	BL	BL	BL	BL	N.D.	BL	BL	BL	BL	BL
25	BL	BL	BL	BL	N.D.	BL	BL	BL	BL	BL
26	BL	BL	BL	BL	N.D.	BL	BL	BL	BL	BL
27	BL	BL	BL	BL	N.D.	BL	BL	BL	BL	BL
28	BL	BL	BL	BL	N.D.	BL	BL	BL	BL	BL
30	BL	BL	BL	BL	N.D.	BL	BL	BL	BL	BL
34	BL	BL	BL	BL	N.D.	BL	BL	BL	BL	BL
35	BL	BL	BL	BL	N.D.	BL	BL	BL	BL	BL
36	BL	BL	BL	BL	N.D.	BL	BL	BL	BL	BL

Test Items	Content				
	1	2	3	4	6
Lead(Pb)	BL	BL	BL	BL	BL
Cadmium(Cd)	BL	BL	BL	BL	BL
Mercury(Hg)	BL	BL	BL	BL	BL

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# Test Report

Hexavalent Chromium(Cr(VI)) by Alkaline extraction	BL	BL	BL	BL	BL
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Test Items	Content				
	7	8	16	29	31
Lead(Pb)	BL	BL	BL	BL	BL
Cadmium(Cd)	BL	BL	BL	BL	BL
Mercury(Hg)	BL	BL	BL	BL	BL
Hexavalent Chromium(Cr(VI)) by Alkaline extraction	BL	BL	BL	BL	BL

Test Items	Content				
	32	33	--	--	--
Lead(Pb)	BL	BL	--	--	--
Cadmium(Cd)	BL	BL	--	--	--
Mercury(Hg)	BL	BL	--	--	--
Hexavalent Chromium(Cr(VI)) by Alkaline extraction	BL	BL	--	--	--

## Note:

1. ppm=mg/kg
2. N.D.=Not Detected (Not detected is reported when the reading is less than detection limit value.)
3. Negative=absence of Cr(VI) in the metallic sample  
Positive= presence of Cr(VI) in the metallic sample  
(The tested sample should further verify by boiling-water-extraction method if the spot test result cannot be confirmed)  
Boiling-water-extraction:  
Negative=absence of Cr(VI) in the metallic sample  
Positive=presence of Cr(VI) in the metallic sample  
Boiling-water-extraction solution is equal or greater that 0.02mg/kg with 50cm<sup>2</sup> sample surface area.
4. #=Positive indicates the presence of Cr(VI) on the tested areas and result the regarded as not comply with RoHS requirement.  
Negative indicates the presence of Cr(VI) on the tested areas and result the regarded as comply with RoHS requirement
5. MDL=Method Detection Limit

## Remark:

- (1) (a) It is the result on total Br while test item on restricted substances is PBBs/PBDEs. It is the result on total Cr while test item on restricted substances is Cr<sup>6+</sup>.
- (b) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP(for Cd, Pb, Hg),

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UV-VIS(for CrVI) and GCMSD (for PBBs, PBDEs) is recommended to be performed. If the concentration exceeds the below warning value according to IEC 62321 Ed.1 111/95/2<sup>nd</sup> CDV (unit: mg/kg)

Element	Polymer	Metal	Composite Materials
Cd	$BL \leq (70-3\sigma) < X < (130+3\sigma)$ $\leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma)$ $\leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma)$ $\leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma)$ $\leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma)$ $\leq OL$
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma)$ $\leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma)$ $\leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma)$ $\leq OL$
Br	$BL \leq (300-3\sigma) < X$	---	$BL \leq (250-3\sigma) < X$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$

(c) OL=Over Limit, BL=Below Limit. LOD=limit of Detection, ---=not conducted.

(d) The XRF screening test for RoHS elements- The reading may be different to the actual content in the sample be of non-uniformity composition.

(2) (a)mg/kg=ppm=0.0001%, N.D.=not detected(<MDL),

(b)Unit and Method Detection Limit(MDL) in wet chemical test.

Test Items	Pb	Cd	Hg
Units	Mg/kg	Mg/kg	Mg/kg
MDL	2	2	2

The MDL for single compound of PBBs & PBDEs is 5mg/kg and MDL of Cr<sup>6+</sup> for polymer & composite sample is 2mg/kg.

(c) According to IEC 62321:2009 Ed.1 111/95/2<sup>nd</sup> CDV, result on Cr<sup>6+</sup> for metal sample is shown as Positive/Negative.

Negative=Absence of Cr<sup>6+</sup> coating, Positive= Persence of Cr<sup>6+</sup> coating.

(d)According to 2005/717/EC, DecaBDE is exempt.

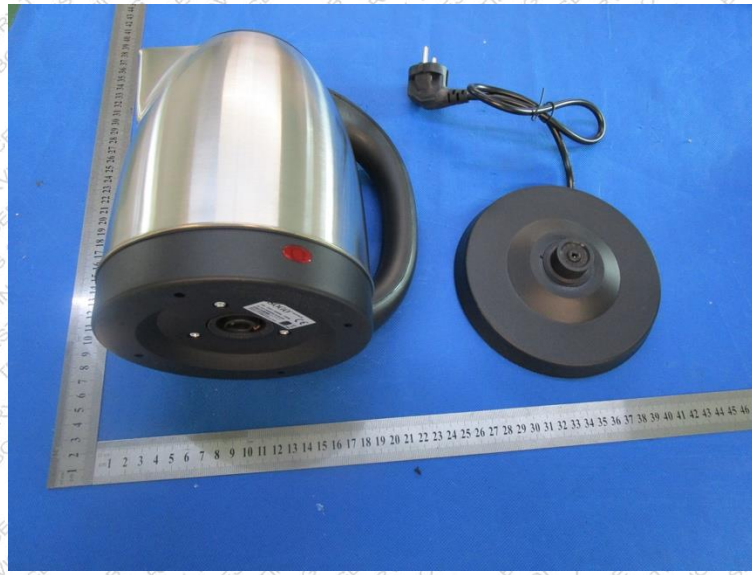
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## PHOTOS:

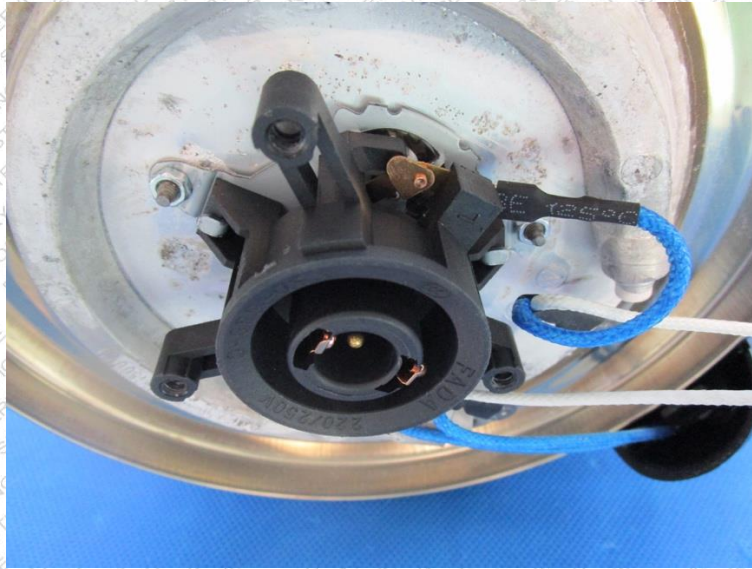
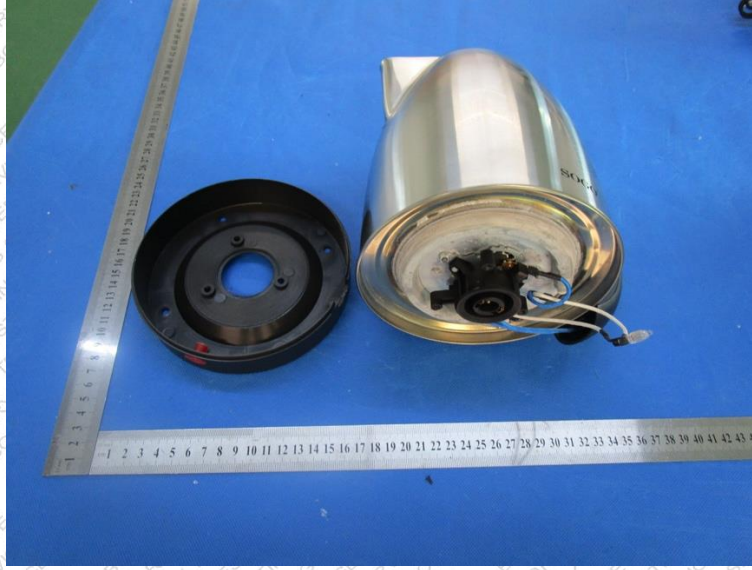


# Test Report





# Test Report



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