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Applicant: Shenzhen Smoore Technology Limited

Address: No.16, Dongcai Industry Park, Gushu village, Bao'An District, Shenzhen,

China

The following sample was submitted and identified by/on behalf of the client as:

Sample Name: EUC Traditional Coil

Model No.: K12-70W/K8-L-50W/K8-L-40W/K13-40W

Trade Mark: VAPORESSO

Manufactory: Shenzhen Smoore Technology Limited

Manufactory address: No.16, Dongcai Industry Park, Gushu village, Bao'An District, Shenzhen,

China

Sample Received Date: 2017.08.07

Testing Period: 2017.08.07—2017.08.14

Test Requested: According to customer's requirements, Split the sample and determine the

Pb, Cd, Hg, Cr(VI), PBBs & PBDEs content of the parts.

Test Method: 1. Sample prepared with reference to IEC 62321-2:2013

2. Sample Screening testing with reference to IEC 62321-3-1:2013

3. Wet Chemical Test Method

a. Determination of Lead ,Cadmium by ICP-OES with reference to IEC

62321-5:2013

b. Determination of Mercury by ICP-OES with reference to IEC

62321-4:2013

c. Determination of Hexavalent Chromium in colourless and coloured

corrosion-protected coatings on metals by UV-VIS method reference to

IEC 62321-7-1:2015

d. Determination of Hexavalent Chromium in polymers and electronics

by UV-Vis Method with reference to IEC 62321-7-2:2017

e. Determination of PBBs and PBDEs by GC-MS with reference to IEC

62321-6:2015

Test Result(s): Please refer to the following page(s).

Conclusion: Base upon the performed tests by submitted sample, the test results comply

with the limits as set by Directive (EU) 2015/863 - Amendment of EU RoHS

Directive 2011/65/EU (RoHS 2.0) Annex II.

Checked by

The Thorn

Chris zhong

Signed for and on behalf of TCT

Kim Zhang

Technical Manager



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Test Result(s):

Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	$BL^{ ext{ ilde{1}}}$	1.42X10 ⁴	Comply	
		Cd	BL		Comply	
1	Silvery color	Hg	BL		Comply	Aug. 10, 2017
	metal	Cr(VI)	BL		Comply	Aug. 11, 2017
		PBBs			NA	
		PBDEs		(-(1)	NA	
		Pb	BL		Comply	
		Cd	BL		Comply	
	Black soft	Hg	BL		Comply	A 40 0047
2	plastic	Cr(VI)	BL		Comply	Aug. 10, 2017
		PBBs	BL		Comply	
		PBDEs	BL	73	Comply	
	(60)	Pb	$BL^{ ext{ ilde{1}}}$	2.81X10 ⁴	Comply	(0)
		Cd	BL		Comply	
2	Silvery color	Hg	BL		Comply	Aug. 10, 2017
3	metal	Cr(VI)	BL		Comply	Aug. 11, 2017
		PBBs			NA	
		PBDEs			NA	
	(C)	Pb C	BL ^①	2.55X10 ⁴	Comply	(6)
		Cd	BL		Comply	
4	Silvery color	Hg	BL		Comply	Aug. 10, 2017
4	metal	Cr(VI)	BL		Comply	Aug. 11, 2017
		PBBs			NA	
		PBDEs			NA	
		Pb	BL	-(3)	Comply	
		Cd	BL		Comply	
5	Silvery color	Hg	BL		Comply	Aug. 10, 2017
5	metal wire	Cr(VI)	IN	N.D.	Comply	Aug. 11, 2017
100		PBBs			NA	
		PBDEs			NA	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date	
		Pb	BL		Comply		
6		Cd	BL		Comply		
	6	White cotton	Hg	BL		Comply	Aug. 10, 2017
	vvriite cottori	Cr(VI)	BL		Comply	Aug. 10, 2017	
		PBBs	BL		Comply		
		PBDEs	BL	(-(-)	Comply		
		Pb	BL ^①	1.42X10 ⁴	Comply		
		Cd	BL		Comply		
7	Silvery color	Hg	BL		Comply	Aug. 10, 2017	
7	metal	Cr(VI)	BL		Comply	Aug. 11, 2017	
		PBBs			NA		
		PBDEs		7/3	NA		
	(60)	Pb C	BL	(0)	Comply	(0)	
		Cd	BL		Comply		
0	Black soft	Hg	BL		Comply	Aug 10 2017	
8	plastic	Cr(VI)	BL		Comply	Aug. 10, 2017	
		PBBs	BL		Comply		
		PBDEs	BL		Comply		
	((3))	Pb C	$BL^{ ext{(1)}}$	2.81X10 ⁴	Comply	(C)	
		Cd	BL		Comply		
0	Silvery color	Hg	BL		Comply	Aug. 10, 2017	
9	metal	Cr(VI)	BL		Comply	Aug. 11, 2017	
		PBBs			NA		
		PBDEs			NA		
		Pb	$BL^{ ext{(1)}}$	2.55X10 ⁴	Comply		
		Cd	BL		Comply		
10	Silvery color	Hg	BL		Comply	Aug. 10, 2017	
10	metal	Cr(VI)	BL		Comply	Aug. 11, 2017	
10		PBBs			NA		
		PBDEs			NA		



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
11		Cd	BL		Comply	
	Silvery color	Hg	BL		Comply	Aug. 10, 2017
	metal wire	Cr(VI)	IN	N.D.	Comply	Aug. 11, 2017
		PBBs			NA	
		PBDEs		(-(-)	NA	
		Pb	BL		Comply	
		Cd	BL		Comply	
12	\\/hita aattan	Hg	BL		Comply	Aug. 10, 2017
12	White cotton	Cr(VI)	BL		Comply	Aug. 10, 2017
		PBBs	BL		Comply	
		PBDEs	BL	7/3	Comply	
	(60)	Pb C	BL ^①	1.42X10 ⁴	Comply	
		Cd	BL		Comply	
13	Silvery color	Hg	BL		Comply	Aug. 10, 2017
13	metal	Cr(VI)	BL		Comply	Aug. 11, 2017
		PBBs			NA	
		PBDEs			NA	
	((3))	Pb C	BL	(,c')	Comply	
		Cd	BL		Comply	
4.4	Black soft	Hg	BL		Comply	A 40 0047
14	plastic	Cr(VI)	BL		Comply	Aug. 10, 2017
		PBBs	BL		Comply	
		PBDEs	BL		Comply	
		Pb	$BL^{ ext{(1)}}$	2.81X10 ⁴	Comply	(2)
		Cd	BL		Comply	
4.5	Silvery color	Hg	BL		Comply	Aug. 10, 2017
15	metal	Cr(VI)	BL		Comply	Aug. 11, 2017
KO)		PBBs			NA	
		PBDEs			NA	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	$BL^{ ext{ ilde{U}}}$	2.55X10 ⁴	Comply	
10		Cd	BL		Comply	
	Silvery color	Hg	BL		Comply	Aug. 10, 2017
16	metal	Cr(VI)	BL		Comply	Aug. 11, 2017
		PBBs			NA	
		PBDEs		(- (1)	NA	
		Pb	BL		Comply	
		Cd	BL		Comply	
47	Silvery color	Hg	BL		Comply	Aug. 10, 2017
17	metal wire	Cr(VI)	IN	N.D.	Comply	Aug. 11, 2017
		PBBs			NA	
		PBDEs		7/4	NA	- KI
	(0)	Pb	BL	<u>((</u> 0)	Comply	
		Cd	BL		Comply	
40	\\	Hg	BL		Comply	A 40, 0047
18	White cotton	Cr(VI)	BL		Comply	Aug. 10, 2017
		PBBs	BL		Comply	
		PBDEs	BL		Comply	
		Pb	BL ^①	1.42X10 ⁴	Comply	
		Cd	BL		Comply	
40	Silvery color	Hg	BL		Comply	Aug. 10, 2017
19	metal	Cr(VI)	BL		Comply	Aug. 11, 2017
		PBBs			NA	
		PBDEs			NA	
		Pb	BL	7-6	Comply	
		Cd	BL		Comply	
20	Black soft	Hg	BL		Comply	Aug 40 0047
20	plastic	Cr(VI)	BL		Comply	Aug. 10, 2017
10		PBBs	BL	<i></i>	Comply	
		PBDEs	BL		Comply	



Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	$BL^{ ext{ ilde{U}}}$	2.81X10 ⁴	Comply	
		Cd	BL		Comply	
24	Silvery color	Hg	BL)	Comply	Aug. 10, 2017
21	metal	Cr(VI)	BL		Comply	Aug. 11, 2017
		PBBs			NA	
		PBDEs			NA	(1)
		Pb	$BL^{ ext{ ilde{1}}}$	2.55X10 ⁴	Comply	
		Cd	BL		Comply	
00	Silvery color	Hg	BL		Comply	Aug. 10, 2017
22	metal	Cr(VI)	BL		Comply	Aug. 11, 2017
		PBBs			NA	
		PBDEs		7/4	NA	- KI
	(60)	Pb	BL	(0)	Comply	(0)
		Cd	BL		Comply	
00	Silvery color	Hg	BL		Comply	Aug. 10, 2017
23	metal wire	Cr(VI)	IN C	N.D.	Comply	Aug. 11, 2017
		PBBs			NA	
		PBDEs			NA	
	(C)	Pb	BL	(2 6)	Comply	
		Cd	BL		Comply	
24	\\/hito aattaw	Hg	BL		Comply	Aug 10 0017
24	White cotton	Cr(VI)	BL		Comply	Aug. 10, 2017
		PBBs	BL		Comply	
		PBDEs	BL		Comply	



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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 Cr6+.

(b)Results are obtained by EDXRF for primary screening, and further chemical testing by ICP-OES (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 IEC62321-3-1:2013 (unit: mg/kg)

Ele	ement	Polymer	Metal	Composite Materials
	Cd	BL≤(70-3σ) <x<(130+3σ)< td=""><td>BL≤(70-3σ)<x<(130+3σ)< td=""><td>LOD-V-(450+2~)-(01</td></x<(130+3σ)<></td></x<(130+3σ)<>	BL≤(70-3σ) <x<(130+3σ)< td=""><td>LOD-V-(450+2~)-(01</td></x<(130+3σ)<>	LOD-V-(450+2~)-(01
	Cd	≤OL	≤OL	LOD <x<(150+3σ) td="" ≤ol<=""></x<(150+3σ)>
	Dh	BL≤(700-3σ) <x<(1300+3σ)< td=""><td>BL≤(700-3σ)<x<(1300+3σ< td=""><td>BL≤(500-3σ)<x<(1500+< td=""></x<(1500+<></td></x<(1300+3σ<></td></x<(1300+3σ)<>	BL≤(700-3σ) <x<(1300+3σ< td=""><td>BL≤(500-3σ)<x<(1500+< td=""></x<(1500+<></td></x<(1300+3σ<>	BL≤(500-3σ) <x<(1500+< td=""></x<(1500+<>
	Pb	≤OL) ≤OL	3σ) ≤OL
	11=	BL≤(700-3σ) <x<(1300+3σ)< td=""><td>BL≤(700-3σ)<x<(1300+3σ< td=""><td>BL≤(500-3σ)<x<(1500+< td=""></x<(1500+<></td></x<(1300+3σ<></td></x<(1300+3σ)<>	BL≤(700-3σ) <x<(1300+3σ< td=""><td>BL≤(500-3σ)<x<(1500+< td=""></x<(1500+<></td></x<(1300+3σ<>	BL≤(500-3σ) <x<(1500+< td=""></x<(1500+<>
	Hg	≤OL) ≤OL	3σ) ≤OL
	Br	BL≤(300-3σ) <x< td=""><td></td><td>BL≤(250-3σ)<x< td=""></x<></td></x<>		BL≤(250-3σ) <x< td=""></x<>
	Cr	BL≤(700-3σ) <x< td=""><td>BL≤(700-3σ)<x< td=""><td>BL≤(500-3σ)<x< td=""></x<></td></x<></td></x<>	BL≤(700-3σ) <x< td=""><td>BL≤(500-3σ)<x< td=""></x<></td></x<>	BL≤(500-3σ) <x< td=""></x<>

- (c) BL = Below Limit, OL = Over Limit, IN = Inconclusive, LOD = Limit of Detection,
 - -- = Not Regulated, NA = Not Applicable.
 - (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) 1mg/kg = 1ppm = 0.0001%, N.D.= Not Detected (<MDL), --- = Not Conducted.
 - (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 5 mg/kg and MDL of Cr6+ for polymer & composite sample is 2 mg/kg.

- (c) When Cr⁶⁺ for metal sample is testing according to IEC 62321-7-1:2015, the unit is µg/cm², and the MDL is 0,10 μg/cm². When the Cr (VI) concentration is > the 0,13 μg/cm², the sample is positive for Cr(VI) and considered to contain Cr(VI); when the Cr (VI) concentration is N.D.(< the 0,10 µg/cm²), the sample is negative for Cr(VI) and considered a non-Cr(VI) based coating; when the Cr (VI) concentration is ≥ the 0,10 µg/cm² and ≤ the 0,13 µg/cm², the result is considered to be inconclusive - Unavoidable coating variations may influence the determination.
- (d) [©]RoHS Exemption: 6(c), Copper alloy containing up to 4 % lead by weight.

Shenzhen TCT Testing Technology Co., Ltd. 1F, Building 1, Yibaolai Industrial Park, Qiaotou Village, Fuyong Town, Baoan District, Shenzhen, Guangdong Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



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(3) The maximum permissible limit is quoted from the Directive (EU) 2015/863 - Amendment of EU RoHS Directive 2011/65/EU (RoHS 2.0) Annex II.

RoHS Restricted Substances	Maximum Concentration Value (by weight in homogenous materials)
Lead (Pb)	0.1%
Cadmium (Cd)	0.01%
Mercury (Hg)	0.1%
Hexavalent Chromium (Cr VI)	0.1%
Polybrominated biphenyls (PBBs)	0.1%
Polybrominated diphenylethers (PBDEs)	0.1%





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RoHS Exemptions

Exemptions	
RoHS Directive 2011/65/EU ANNEX III	
Exemption Items	Expires Date
Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):	
1(a), For general lighting purposes < 30 W:3.5 mg	2,5 mg shall be used per burner after 31 December 2012
1(b), For general lighting purposes≥ 30 W and < 50W:3.5mg	
1(c), For general lighting purposes ≥ 50 W and < 150 W: 5 mg	
1(d), For general lighting purposes ≥ 150 W: 15 mg	
1(e), For general lighting purposes with circular or square structural shape and tube diameter ≤ 17 mm: 7 mg	
1(f), For special purposes: 5 mg	
2(a), Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp):	
2(a)(1), Tri-band phosphor with normal lifetime and a tube diameter < 9 mm (e.g. T2): 4 mg	
2(a)(2), Tri-band phosphor with normal lifetime and a tube diameter ≥ 9 mm and ≤ 17 mm (e.g. T5): 3 mg	
2(a)(3), Tri-band phosphor with normal lifetime and a tube diameter > 17 mm and ≤ 28 mm (e.g. T8):3.5mg	
2(a)(4), Tri-band phosphor with normal lifetime and a tube diameter > 28 mm (e.g. T12): 5 mg	Expires on 31 December 2012; 3,5 mg may be used per lamp after 31 December 2012
2(a)(5), Tri-band phosphor with long lifetime (≥ 25 000 h): 5 mg	
2(b), Mercury in other fluorescent lamps not exceeding (per lamp):	(5)
2(b)(2), Non-linear halophosphate lamps (all diameters): 15 mg	Expires on 13 April 2016
2(b)(3), Non-linear tri-band phosphor lamps with tube diameter > 17 mm (e.g. T9):15mg	
2(b)(4), Lamps for other general lighting and special purposes (e.g. induction lamps):15mg	(c)
3, Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp):	
3(a), Short length (≤500 mm):3.5mg	
3(b), Medium length (> 500 mm and ≤ 1 500 mm):5mg	
3(c), Long length (> 1 500 mm):13mg	
1(a), Mercury in other low pressure discharge lamps (per lamp):15mg	
4(b), Mercury in High Pressure Sodium (vapour) lamps for general ighting purposes not exceeding (per burner) in lamps with improved	(0)
colour rendering index Ra > 60:	
4(b) -I, P ≤155 W:30mg	
4(b) -II, 155 W < P ≤ 405 W:40mg	
4(b) -III, P > 405 W:40mg	(0)
4(c), Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner):	
4(c)-I, P ≤ 155 W:25mg	



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Exemptions	
RoHS Directive 2011/65/EU ANNEX III	
Exemption Items	Expires Date
4(c)-II, 155 W < P ≤ 405 W:30mg	
4(c)-III, P > 405 W:40mg	
4(d), Mercury in High Pressure Mercury (vapour) lamps (HPMV)	Expires on 13 April 2015
4(e), Mercury in metal halide lamps (MH)	(.0)
4(f), Mercury in other discharge lamps for special purposes not specifically mentioned in this Annex	
5(a), Lead in glass of cathode ray tubes	
5(b), Lead in glass of fluorescent tubes not exceeding 0,2 % by weight	
6(a), Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0,35 % lead by weight	
6(b), Lead as an alloying element in aluminium containing up to 0,4 % lead by weight	
6(c), Copper alloy containing up to 4 % lead by weight 7(a), Lead in high melting temperature type solders (i.e. lead-based	
alloys containing 85 % by weight or more lead)	
7(b), Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signalling, transmission, and network management for telecommunications	(3)
7(c)-I, Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound 7(c)-II, Lead in dielectric ceramic in capacitors for a rated voltage of	
125 V AC or 250 V DC or higher	(30)
7(c)-III, Lead in dielectric ceramic in capacitors for a rated voltage of less than 125 V AC or 250 V DC	Expires on 1 January 2013 and after that date may be used in spare parts for EEE placed on the market before 1 January 2013
7(c)-IV, Lead in PZT based dielectric ceramic materials for capacitors being part of integrated circuits or discrete semiconductors	Expires on 21 July 2016
8(a), Cadmium and its compounds in one shot pellet type thermal cut-offs	Expires on 1 January 2012 and after that date may be used in spare parts for EEE placed on the market before 1 January 2012
8(b), Cadmium and its compounds in electrical contacts	
9, Hexavalent chromium as an anticorrosion agent of the carbon steel cooling system in absorption refrigerators up to 0,75 % by weight in the cooling solution	
9(b), Lead in bearing shells and bushes for refrigerant-containing compressors for heating, ventilation, air conditioning and refrigeration (HVACR) applications	
11(a), Lead used in C-press compliant pin connector systems	May be used in spare parts for EEE placed on the market before 24 September 2010
	Delote 24 Deptember 2010



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Exem	ptions		
RoHS Directive 2011/65/EU ANNEX III			
Exemption Items		Evnire	s Date
11(b), Lead used in other than C-press compliant pi systems	n connector	Expires on 1 Ja and after that d used in spare p placed on the r	anuary 2013 late may be
12, Lead as a coating material for the thermal condu C-ring	uction module	January 2013 May be used in EEE placed on before 24 Sept	
13(a), Lead in white glasses used for optical applica	ations	(.G)	(,C
13(b), Cadmium and lead in filter glasses and glass reflectance standards			
14, Lead in solders consisting of more than two eler connection between the pins and the package of mid a lead content of more than 80 % and less than 85 °C	cropro-cessors with	Expires on 1 Ja and after that of used in spare p placed on the r January 2011	late may be
15, Lead in solders to complete a viable electrical conseniconductor die and carrier within integrated circupackages		(c ¹)	(c
16, Lead in linear incandescent lamps with silicate of	coated tubes	Expires on 1 S	eptember 2013
17, Lead halide as radiant agent in high intensity dis			•
lamps used for professional reprography application		,	
18(b), Lead as activator in the fluorescent powder (′ or less) of discharge lamps when used as sun tannic containing phosphors such as BSP (BaSi ₂ O ₅ :Pb)		()	(C.)
21, Lead and cadmium in printing inks for the applic on glasses, such as borosilicate and soda lime glas	ses		Ć.
23, Lead in finishes of fine pitch components other t with a pitch of 0,65 mm and less	han connectors	May be used in EEE placed on before 24 Sept	
24, Lead in solders for the soldering to machined the discoidal and planar array ceramic multilayer capacity	_	(
25, Lead oxide in surface conduction electron emitted used in structural elements, notably in the seal frit a	nd frit ring	*	
29, Lead bound in crystal glass as defined in Annex 3 and 4) of Council Directive 69/493/EEC (1)			
30, Cadmium alloys as electrical/mechanical solder conductors located directly on the voice coil in trans high-powered loudspeakers with sound pressure lev and more	ducers used in	(6)	
31, Lead in soldering materials in mercury free flat f (which e.g. are used for liquid crystal displays, design lighting)	gn or industrial	(,	(6)
Lead oxide in seal frit used for making window a Argon and Krypton laser tubes			
33, Lead in solders for the soldering of thin copper vidiameter and less in power transformers		(3)	(c)
34, Lead in cermet-based trimmer potentiometer ele	ements		



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RoHS Directive 2011/65/EU ANNEX III		
Exemption Items	Expires Date	140
37, Lead in the plating layer of high voltage diodes on the basis of a zinc borate glass body		
38, Cadmium and cadmium oxide in thick film pastes used on aluminium bonded beryllium oxide	(5)	
39, Cadmium in colour converting II-VI LEDs (< 10 μg Cd per mm ² of light-emitting area) for use in solid state illumination or display systems	Expires on 1 July 2014	
40, Cadmium in photoresistors for analogue optocouplers applied in professional audio equipment	Expires on 31 December 2013	

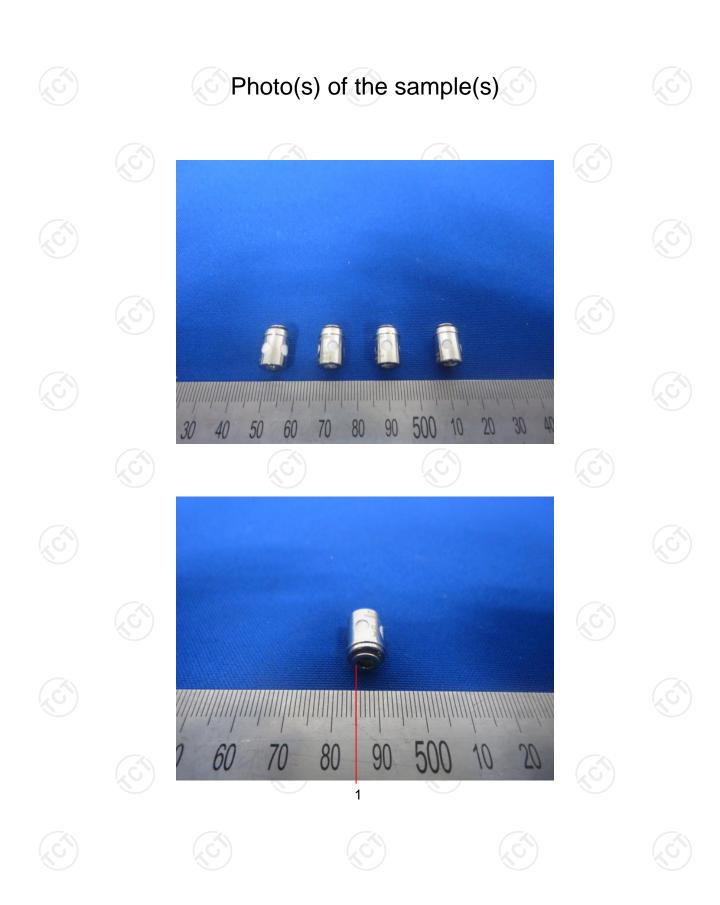
Note: 1. (1) OJ L 326, 29.12.1969, p.36.

2. For the purposes of Directive 2011/65/EU, a maximum concentration value of 0,1 % by weight in homogeneous materials for lead, mercury, hexavalent chromium, polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE) and of 0,01 % by weight in homogeneous materials for cadmium shall be tolerated.



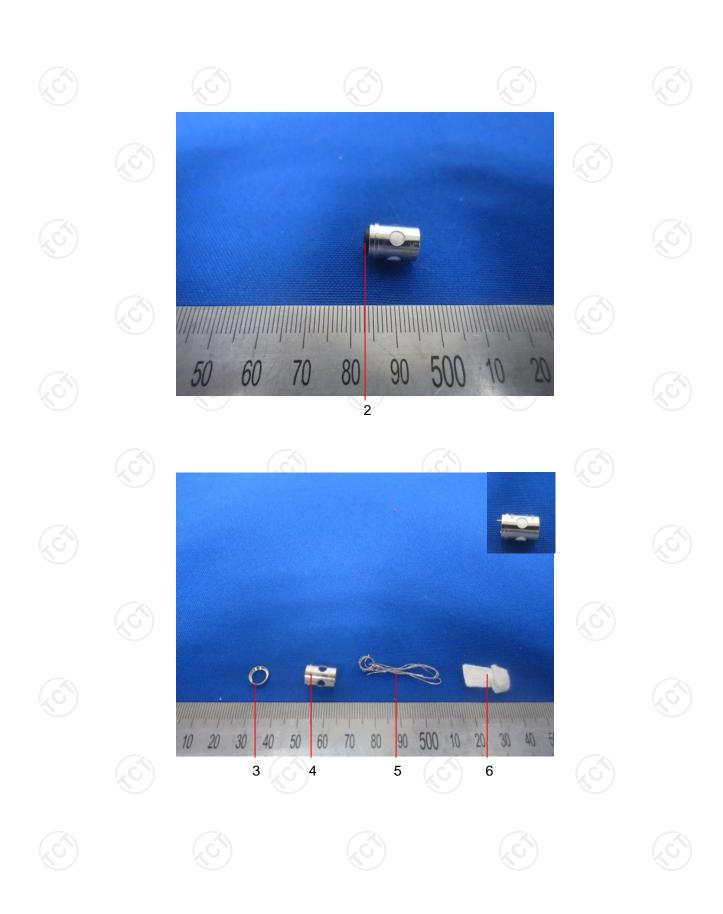


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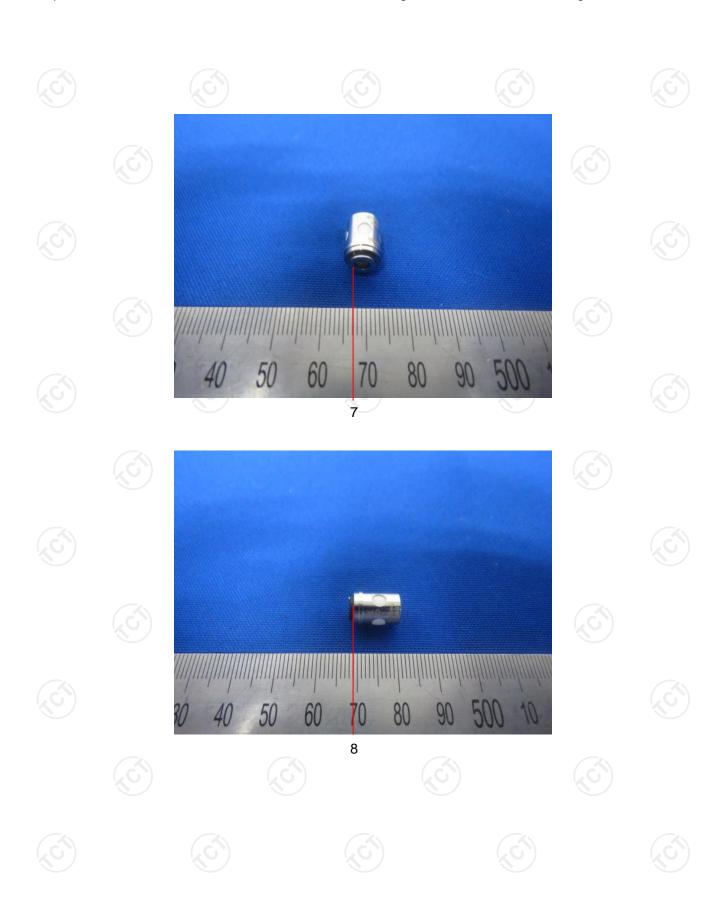


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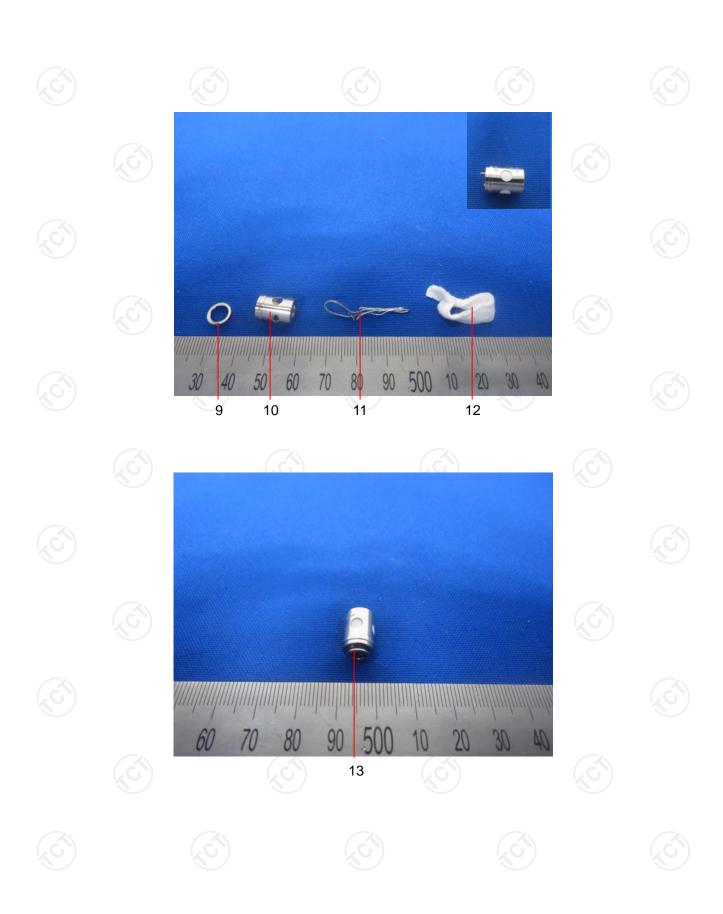


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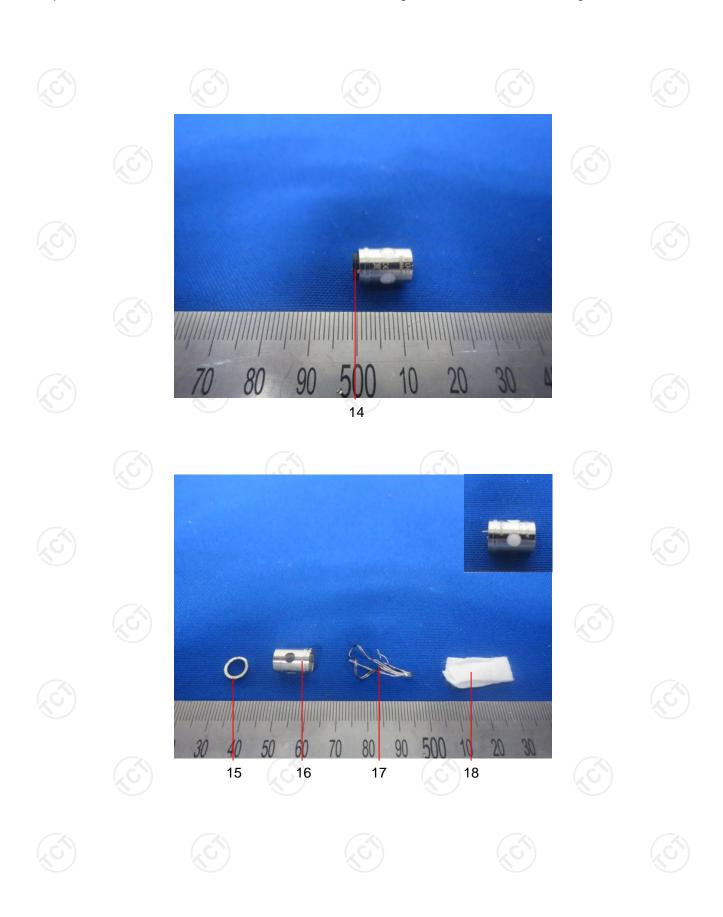


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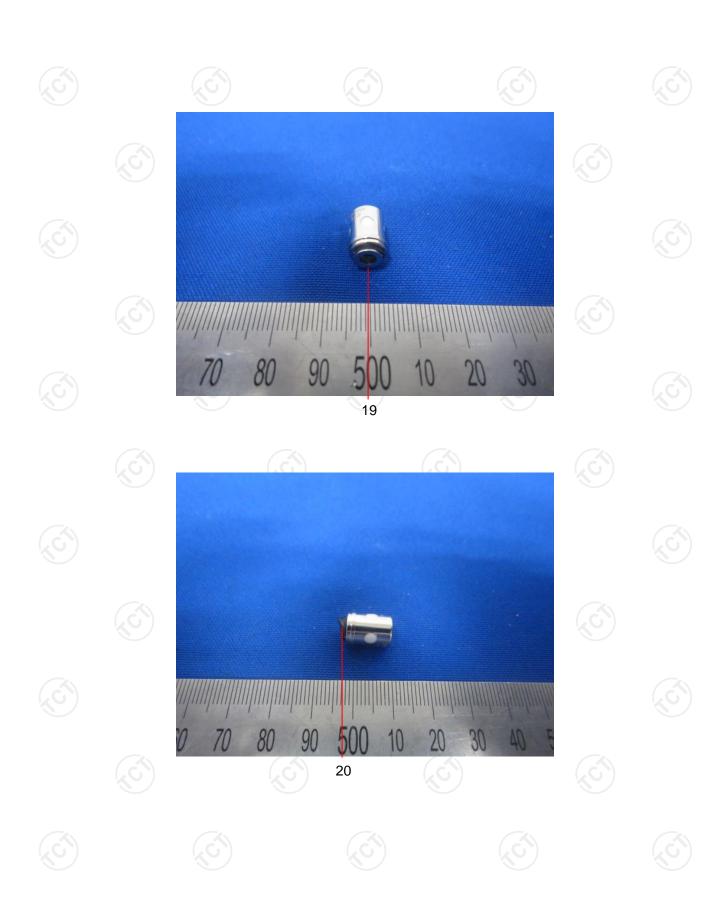


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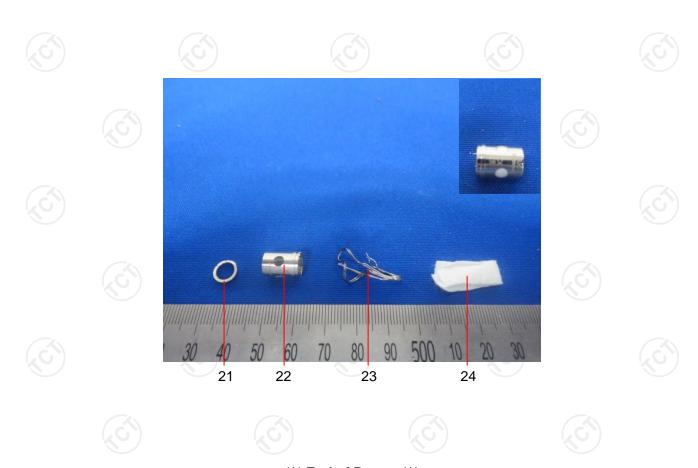


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*** End of Report ***

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