





中国认可

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#### **CENTRE TESTING INTERNATIONAL**



Applicant Address	SHENZHEN SKIHOTAR SEMICONDUCTOR CO.,LTD. A1806, GOLDEN CENTRAL BUSINESS BUILDING, NO. 3037					
Product Name	DDR4 Memory Module	NTIAN ROAD, FUTIAN DISTRICT, SHENZHEN, CHINA DR4 Memory Module				
Conclusion						
<b>Tested Sample</b>	According to standard/directive	Result				
Submitted Sample	2011/65/EU	Pass				
****	*****	******				

Pass means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU.

Tested by

Reviewed by

Cathy Huang

Frenk Zhang Hill Zheng

Hill Zheng Technical Manager Date

Mar. 1, 2019

No.S140381688

ernational Group Co.,Ltd. CKL Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China



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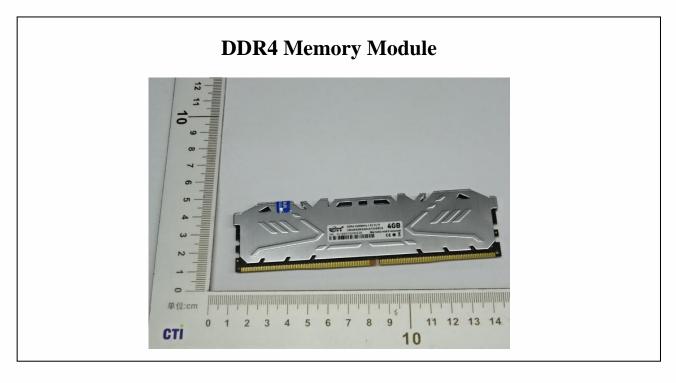


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The following sample(s) and sample information was/were submitted and identified by/on the behalf of						
the client						
Product Part No.		STxU4xxxxx;STxS4xxxxx/x stands for different frequency and capacity.				
Client Reference Inform	nation	STxU4xxxxx;STxS4xxxxx/x stands for different frequency and capacity.				
Sample Received Date		Jan. 4, 2019				
Testing Period		Jan. 4, 2019 to Feb. 25, 2019				
Test Requested	1. As s	pecified by client, to screen Lead(Pb), Cadmium(Cd), Mercury(Hg),				
	Chrom	ium(Cr) and Bromine(Br) in the submitted sample(s) by XRF.				
	2.As sp	pecified by client, when screening results exceed the XRF screening limit in				
	IEC 62	2321-3-1:2013, further use of chemical methods are required to test				
	the Lea	ad(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)),				
	Polybr	ominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs) in				
	the sub	omitted samples.				

#### Photo(s) of the Product(s)





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#### **Test Method**

#### A. Screening limits for regulated elements according to IEC 62321-3-1:2013 (Unit: mg/kg)

Element	Polymers	Metals	Composite material
Pb	BL≤(700-3σ) <x &lt;(1300+3σ)≤OL</x 	BL≤(700-3σ) <x &lt;(1300+3σ)≤OL</x 	$\begin{array}{c} BL \leq (500-3\sigma) < X < (1500+3\sigma) \\ \leq OL \end{array}$
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+3σ) td="" ≤ol<=""></x<(150+3σ)>
Hg	BL≤(700-3σ) <x <(1300+3σ)<br="">≤OL</x>	BL≤(700-3σ) <x <(1300+3σ)<br="">≤OL</x>	BL≤(500-3σ) <x <(1500+3σ)<br="">≤OL</x>
Cr	BL≤(700-3σ)< X	BL≤(700-3σ)< X	BL≤(500-3σ)< X
Br	BL≤(300-3σ)< X	N/A	BL≤(250-3σ)< X

#### **B.** Chemical Test

Tested Item(s)	Test Method	Measured Equipment(s)	MDL	Limit	
L and (Db)	IEC 62321-5:2013	ICP-OES	10 mg/kg	1000 mg/kg	
Lead (Pb)	Refer to IEC 62321-5:2013	ICP-OES	10 mg/kg	1000 mg/kg	
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES	10 mg/kg	100 mg/kg	
Cadiniuni (Cu)	Refer to IEC 62321-5:2013	ICP-OES	10 mg/kg	100 mg/kg	
Marray (II-)	IEC 62321-4:2013+ AMD1:2017 CSV	ICP-OES	10 mg/kg	1000	
Mercury (Hg)	Refer to IEC 62321-4:2013+ AMD1:2017 CSV	ICP-OES	10 mg/kg	1000 mg/kg	
Hexavalent	IEC 62321-7-2:2017	UV-Vis	20 mg/kg	1000 mg/kg	
Chromium (Cr(VI))	IEC 62321-7-1:2015	UV-Vis	0.10μg/cm <sup>2</sup> (LOQ)	1000 mg/kg	
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS	100 mg/kg	1000 mg/kg	
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS	100 mg/kg	1000 mg/kg	

**Remark:** 

- BL = Under the screening limit
- OL = Above the screening limit
- X = The range of needing to do further testing
- $3\sigma$  = The reproducibility of analytical instruments
- N/A= Not applicable
- LOD = Detection limit
- LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is  $0.10 \ \mu g/cm^2$

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Test Result(s)

Sample No.	Sample Description	Tested Items	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
		Pb	BL	/		
		Cd	BL	/		
001	Silvery metal	Hg	BL	/	PASS	Jan. 4, 2019
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
		Pb	BL	/		
	Transparent/	Cd	BL	/		
002	blue tape with	Hg	BL	/	PASS	Jan. 4, 2019
	adhesive paste	Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
		Pb	BL	/		
	Black foam	Cd	BL	/		
003	with adhesive	Hg	BL	/	PASS	Jan. 4, 2019
	paste	Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
		Pb	BL	/		
	White	Cd	BL	/		
004	double-sided	Hg	BL	/	PASS	Jan. 4, 2019
	adhesive paste	Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
		Pb	BL	/		
	White label	Cd	BL	/		
005	with black	Hg	BL	/	PASS	Jan. 4, 2019
	printing	Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
		Pb	BL	/		
		Cd	BL	/		
006	Silvery metal	Hg	BL	/	PASS	Jan. 4, 2019
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		



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# **Verification Report**

Report No. XRF Chemical Sample Sample Sample Received/ **Tested Items** Test Screening Conclusion No. Description **Resubmitted Date** Test (mg/kg) Pb BL / Deep brown BL Cd / capacitance 007 BL / Hg PASS Jan. 4, 2019 (Tested as a BL / Cr(Cr(VI)) whole) Br(PBBs&PBDEs) BL / Pb BL / Black Cd BL / resistance 008 Hg BL / PASS Jan. 4, 2019 (Tested as a Cr(Cr(VI)) BL / whole) Br(PBBs&PBDEs) BL / BL / Pb Brown-gray Cd BL / capacitance 009 Hg BL / PASS Jan. 4, 2019 (Tested as a Cr(Cr(VI)) BL / whole) Br(PBBs&PBDEs) BL / Pb BL / Brown-yellow Cd BL / capacitance 010 BL Hg / PASS Jan. 4, 2019 (Tested as a BL / Cr(Cr(VI)) whole) Br(PBBs&PBDEs) BL / Pb BL / Brown-green Cd BL / capacitance 011 BL PASS Jan. 4, 2019 Hg / (Tested as a Cr(Cr(VI)) BL / whole) Br(PBBs&PBDEs) BL / / Pb BL Black Cd BL / resistance 012 BL / PASS Jan. 4, 2019 Hg (Tested as a Cr(Cr(VI)) BL / whole) Br(PBBs&PBDEs) BL /

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Sample	Sample		XRF	Chemical		Sample Received/
No.	Description	Tested Items	Screening	Test	Conclusion	<b>Resubmitted Date</b>
		DI	Test	(mg/kg)		
	10	Pb	BL	/	-	
0.1.2	IC	Cd	BL	/		<b>T A B B A B B B B B B B B B B</b>
013	(Tested as a	Hg	BL	/	PASS	Jan. 4, 2019
	whole)	Cr(Cr(VI))	BL	/	-	
		Br(PBBs&PBDEs)	BL	/		
	Brown	Pb	BL	/	-	
	capacitance	Cd	BL	/	-	
014	(Tested as a	Hg	BL	/	PASS	Jan. 4, 2019
	whole)	Cr(Cr(VI))	BL	/	-	
	whole)	Br(PBBs&PBDEs)	BL	/		
	IC (Tested as a whole)	Pb	BL	/	_	Jan. 4, 2019
		Cd	BL	/	PASS	
015		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
		Pb	BL	/		
	Deep brown	Cd	BL	/		
016	capacitance	Hg	BL	/	PASS	Jan. 4, 2019
	(Tested as a whole)	Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/	-	
		Pb	BL	/		
	Black	Cd	BL	/		
017	resistance	Hg	BL	/	PASS	Jan. 4, 2019
	(Tested as a	Cr(Cr(VI))	BL	/		
	whole)	Br(PBBs&PBDEs)	BL	/	-	
		Pb	BL	/		
	PCB	Cd	BL	/		
018	(Tested as a	Hg	BL	/	PASS	Jan. 4, 2019
	whole)	Cr(Cr(VI))	BL	/	1	
		Br(PBBs&PBDEs)	IN	N.D.		

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Sample No.	Sample Description	Tested Items	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
	019 Silvery metal solder	Pb	BL	/	PASS	Jan. 4, 2019
		Cd	BL	/		
019		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		

#### Remark:

Report No.

- N.D. = Not Detected (<MDL)
- MDL = Method Detection Limit

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- mg/kg = ppm = parts per million
- 1000 mg/kg = 0.1%
- /=Not tested
- IN= Uncertain, Further chemical test
- N/A= Not applicable
- BL = Under the screening limit
- When conducting the test for PBBs&PBDEs, XRF was introduced to screen Br Exclusively; When conducting the test for Hexavalent Chromium, XRF was introduced to screen Chromium exclusively.
- According to the client's statement, reference information see the following table:

Sample No.	Reference Report No.	Sample No. in Reference Report
002	A2180258692104	002
004	A2180258692104	003

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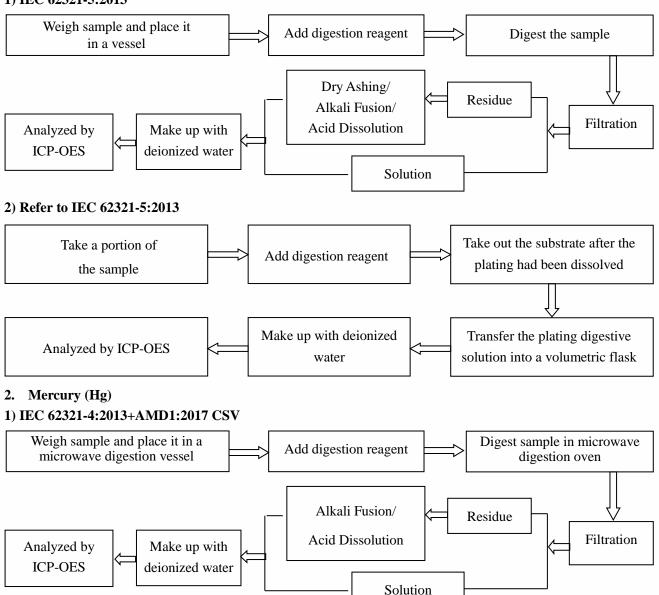


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Test Process

1. Lead (Pb), Cadmium (Cd)

#### 1) IEC 62321-5:2013



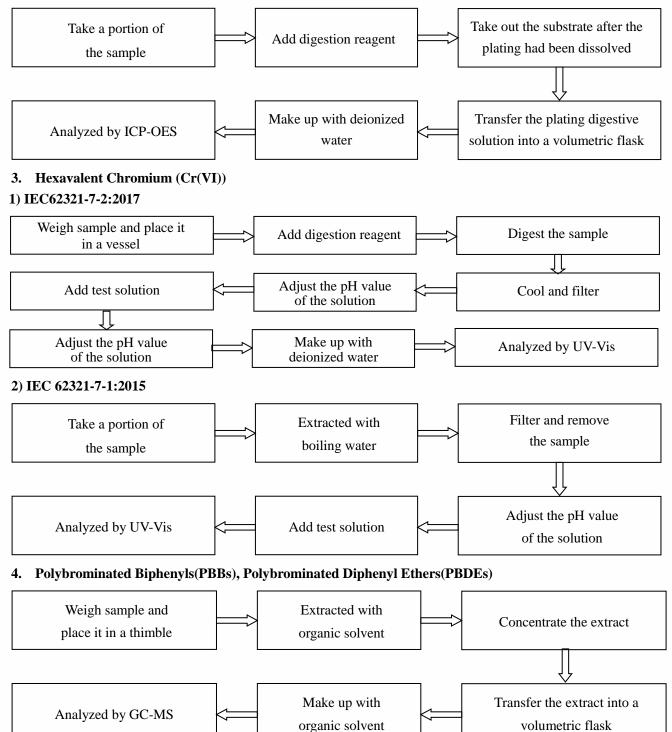
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#### 2) Refer to IEC 62321-4:2013+AMD1:2017 CSV



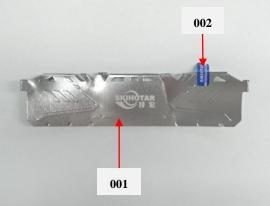


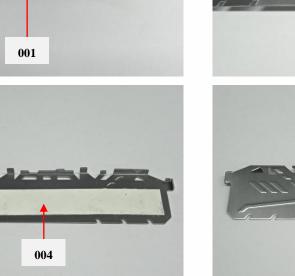


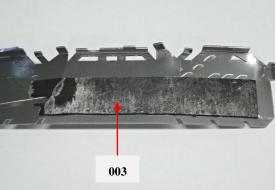
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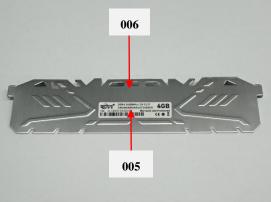
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#### **Photo(s) of the tested component(s)**







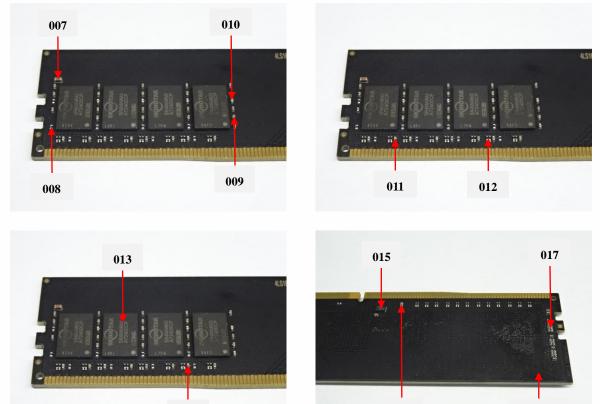




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#### **Exempted Items of RoHS Directive**

In accordance with Directive 2011/65/EU as amended , there are 41 exemption items in Annex III of 2011/65/EU altogether.

	Exemption	Scope and dates of applicability
1	Mercury in single capped (compact)	
	fluorescent lamps not exceeding (per burner):	
1(a)	For general lighting purposes < 30 W: 5 mg	Expires on 31 December 2011; 3,5 mg may be used per burner after 31 December 2011 until 31 December 2012; 2,5 mg shall be used per burner after 31 December 2012.
1(b)	For general lighting purposes $\geq 30$ W and $< 50$ W: 5 mg	Expires on 31 December 2011; 3,5 mg may be used per burner after 31 December 2011.
1(c)	For general lighting purposes $\geq 50$ W and $< 150$ W: 5 mg	
1(d)	For general lighting purposes $\geq 150$ W: 15 mg	
1(e)	For general lighting purposes with circular or square structural shape and tube diameter ≤17 mm	No limitation of use until 31 December 2011; 7 mg may be used per burner after 31 December 2011.
1(f)	For special purposes: 5 mg	
1(g)	For general lighting purposes < 30 W with a lifetime equal or above 20 000 h: 3,5 mg	Expires on 31 December 2017.
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): 5 mg	Expires on 31 December 2011; 4 mg may be used per lamp after 31 December 2011.
2(a)(2)	Tri-band phosphor with normal lifetime and a tube diameter $\ge 9 \text{ mm}$ and $\le 17 \text{ mm}$ (e.g. T5): 5 mg	Expires on 31 December 2011; 3 mg may be used per lamp after 31 December 2011.
2(a)(3)	Tri-band phosphor with normal lifetime and a tube diameter > 17 mm and $\leq$ 28 mm (e.g. T8): 5 mg	Expires on 31 December 2011; 3,5 mg may be used per lamp after 31 December 2011.
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 ( $\geq 25$ 000 h): 8 mg	Expires on 31 December 2011; 5 mg may be used per lamp after 31 December 2011.
2(b)	Mercury in other fluorescent lamps not exceeding (per lamp):	
2(b)(1)	Linear halophosphate lamps with tube $> 28$ mm (e.g. T10 and T12): 10 mg	Expires on 13 April 2012.



Report No. A2180258692105 Page 14 of 19 2(b)(2)Non-linear halophosphate lamps (all Expires on 13 April 2016. diameters): 15 mg Non-linear tri-band phosphor lamps with tube No limitation of use until 31 December 2011; 15 mg 2(b)(3)diameter > 17 mm (e.g. T9) may be used per lamp after 31 December 2011. 2(b)(4)Lamps for other general lighting and special No limitation of use until 31 December 2011; 15 mg purposes (e.g. induction lamps). may be used per lamp after 31 December 2011. 3 Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp): Short length ( $\leq$  500 mm) 3(a) No limitation of use until 31 December 2011; 3,5 mg may be used per lamp after 31 December 2011. No limitation of use until 31 December 2011; 5 mg 3(b) Medium length (> 500 mm and  $\leq 1500$  mm) may be used per lamp after 31 December 2011. 3(c) Long length (> 1500 mm) No limitation of use until 31 December 2011; 13 mg may be used per lamp after 31 December 2011. 4(a) Mercury in other low pressure discharge lamps No limitation of use until 31 December 2011; 15 mg may be used per lamp after 31 December 2011. (per lamp). Mercury in High Pressure Sodium (vapour) 4(b) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 60: 4(b)-I  $P \leq 155 W$ No limitation of use until 31 December 2011; 30 mg may be used per burner after 31 December 2011. 4(b)-II  $155 \text{ W} < P \le 405 \text{ W}$ No limitation of use until 31 December 2011; 40 mg may be used per burner after 31 December 2011. 4(b)-III P > 405 WNo limitation of use until 31 December 2011; 40 mg may be used per burner after 31 December 2011. Mercury in other High Pressure Sodium 4(c) (vapour) lamps for general lighting purposes not exceeding (per burner): 4(c)-I  $P \leq 155 W$ No limitation of use until 31 December 2011; 25 mg may be used per burner after 31 December 2011. 4(c)-II  $155 \text{ W} < \text{P} \leq 405 \text{ W}$ No limitation of use until 31 December 2011; 30 mg may be used per burner after 31 December 2011. 4(c)-III P > 405 WNo limitation of use until 31 December 2011; 40 mg may be used per burner after 31 December 2011. Expires on 13 April 2015. 4(d) Mercury in High Pressure Mercury (vapour) lamps (HPMV). Mercury in metal halide lamps (MH) 4(e) 4(f) Mercury in other discharge lamps for special purposes not specifically mentioned in this Annex.



Report No. A2180258692105 Page 15 of 19 4(g) Mercury in hand crafted luminous discharge Expires on 31 December 2018. tubes used for signs, decorative or architectural and specialist lighting and light-artwork, where the mercury content shall be limited as follows: (a) 20 mg per electrode pair + 0,3 mg per tube length in cm ,but not more than 80 mg, for outdoor applications and indoor applications exposed to temperatures below 20  $^{\circ}$ C; (b) 15 mg per electrode pair + 0,24 mg per tube length in cm, but not more than 80 mg, for all other indoor applications. 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. 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. 7(c)-III Lead in dielectric ceramic in capacitors for a Expires on 1 January 2013 and after that date may be rated voltage of less than 125 V AC or 250 V used in spare parts for EEE placed on the market DC. before 1 January 2013.



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7(c)-IV	Lead in PZT based dielectric ceramic materials for capacitors being part of integrated circuits or discrete semiconductors.	
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.	Applies to categories 8, 9 and 11; expires on: -21 July 2023 for category 8 in vitro diagnostic medical devices; -21 July 2024 for category 9 industrial monitoring and control instruments and for category 11; -21 July 2021 for other subcategories of categories 8 and 9.
9(b)-	Lead in bearing shells and bushes for	Applies to category 1; expires on 21 July 2019.
(I)	refrigerant -containing hermetic scroll compressors with a stated electrical power input equal or below 9 kW 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.
11(b)	Lead used in other than C-press compliant pin connector systems.	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.
12	Lead as a coating material for the thermal conduction module C-ring.	May be used in spare parts for EEE placed on the market before 24 September 2010.
13(a)	Lead in white glasses used for optical applications.	Applies to all categories; expires on: -21 July 2023 for category 8 in vitro diagnostic medical devices; -21 July 2024 for category 9 industrial monitoring and control instruments and for category 11; -21 July 2021 for all other categories and subcategories.



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13(b) Cadmium and lead in filter glasses and glasses Applies to categories 8, 9 and 11; expires on: used for reflectance standards. -21 July 2023 for category 8 in vitro diagnostic medical devices; -21 July 2024 for category 9 industrial monitoring and control instruments and for category 11; -21 July 2021 for other subcategories of categories 8 and 9. 13(b)-Lead in ion coloured optical filter glass types. (I) 13(b)-Cadmium in striking optical filter glass types; Applies to categories 1 to 7 and 10; expires on 21 (II) excluding applications falling under point 39 July 2021 for categories 1 to 7 and 10. of this Annex. 13(b)-Cadmium and lead in glazes used for (III) reflectance standards. 14 Lead in solders consisting of more than two Expires on 1 January 2011 and after that date may be elements for the connection between the pins used in spare parts for EEE placed on the market and the package of microprocessors with a lead before 1 January 2011. content of more than 80 % and less than 85 %by weight. 15 Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages. 16 Lead in linear incandescent lamps with silicate Expires on 1 September 2013. coated tubes. 17 Lead halide as radiant agent in high intensity discharge (HID) lamps used for professional reprography applications. 18(a) Lead as activator in the fluorescent powder (1 Expires on 1 January 2011. % lead by weight or less) of discharge lamps when used as speciality lamps for diazoprinting reprography, lithography, insect traps, photochemical and curing processes containing phosphors such as SMS ((Sr,Ba)<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>:Pb). 18(b) Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps when used as sun tanning lamps containing phosphors such as BSP (BaSi<sub>2</sub>O<sub>5</sub> :Pb). Lead with PbBiSn-Hg and PbInSn-Hg in 19 Expires on 1 June 2011. specific compositions as main amalgam and with PbSn-Hg as auxiliary amalgam in very compact energy saving lamps (ESL).

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20	Lead oxide in glass used for bonding front and rear substrates of flat fluorescent lamps used for Liquid Crystal Displays (LCDs).	Expires on 1 June 2011.
21	Lead and cadmium in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glasses.	
23	Lead in finishes of fine pitch components other than connectors with a pitch of 0, 65 mm and less.	May be used in spare parts for EEE placed on the market before 24 September 2010.
24	Lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer capacitors.	
25	Lead oxide in surface conduction electron emitter displays (SED) used in structural elements, notably in the seal frit and frit ring.	
26	Lead oxide in the glass envelope of black light blue lamps.	Expires on 1 June 2011.
27	Lead alloys as solder for transducers used in high-powered (designated to operate for several hours at acoustic power levels of 125 dB SPL and above) loudspeakers.	Expired on 24 September 2010.
29	Lead bound in crystal glass as defined in Annex I (Categories 1, 2, 3 and 4) of Council Directive 69/493/EEC.	
30	Cadmium alloys as electrical/mechanical solder joints to electrical conductors located directly on the voice coil in transducers used in high-powered loudspeakers with sound pressure levels of 100 dB (A) and more.	
31	Lead in soldering materials in mercury free flat fluorescent lamps (which e.g. are used for liquid crystal displays, design or industrial lighting).	
32	Lead oxide in seal frit used for making window assemblies for Argon and Krypton laser tubes.	
33	Lead in solders for the soldering of thin copper wires of 100 µm diameter and less in power transformers.	
34	Lead in cermet-based trimmer potentiometer elements.	
36	Mercury used as a cathode sputtering inhibitor in DC plasma displays with a content up to 30 mg per display.	Expired on 1 July 2010.
37	Lead in the plating layer of high voltage diodes on the basis of a zinc borate glass body.	

N E :



Report No. A2180258692105 38 Cadmium and cadmium oxide in thick film pastes used on aluminium bonded beryllium oxide. Cadmium in colour converting II-VI LEDs (< 39 Expires on 1 July 2014. 10 µg Cd per mm 2 of light-emitting area) for use in solid state illumination or display systems. 40 Cadmium in photoresistors for analogue Expires on 31 December 2013. optocouplers applied in professional audio equipment. 41 Lead in solders and termination finishes of Expires on 31 December 2018. electrical and electronic components and finishes of printed circuit boards used in ignition modules and other electrical and electronic engine control systems, which for technical reasons must be mounted directly on or in the crankcase or cylinder of hand-held combustion engines (classes SH:1, SH:2, SH:3 of Directive 97/68/EC of the European Parliament and of the Council.

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

Statement:

- This report is considered invalid without approved signature, special seal and the seal on the perforation; 1.
- The sample(s) and sample information was/were provided by the client who should be responsible for the 2. authenticity which CTI hasn't verified;
- The result(s) shown in this report refer(s) only to the sample(s) tested; 3.
- Without written approval of CTI, this report can't be reproduced except in full; 4.
- In case of any discrepancy between the English version and Chinese version of the testing reports (if 5. generated), the Chinese version shall prevail.

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