

# Test Report

**Report No.:** NB2024078673

**Date:** July 19, 2024

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**Applicant:** CHENG HONG E-TECH. CO., LIMITED

**Address:** /

The following merchandise were submitted and identified by the clients as:

Sample Name: Xenon Flash Tube  
Model No.: CH UXFT6030, CH S6035, CH IPL6042, CH LXFT4060, CH OXFL1068  
Color: silvery white  
Country of Origin: Guangzhou  
Country of Destination: Global  
Manufacturer: CHeng hong e-tech. co.,limited  
Product End Use: Warning Light, Flashing Light, Stamp Machine, Photography, Beauty Machine, Hair removal machine

The following information were confirmed by the laboratory:

Testing Period: From July 15, 2024 to July 19, 2024  
Test Results: Please refer to next page(s)

## Summary of test results

Test Requested		Conclusion
1	Heavy Metals and Flame Retardants Content - European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)	PASS
2	Phthalates Content - European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendments Commission Delegated Directive (EU) 2015/863	N/A

Note: N/A = Not Applicable

Signed for and on behalf of Guangdong NewBest Testing Service Co., Ltd.

Approved by:

  
  
Manager

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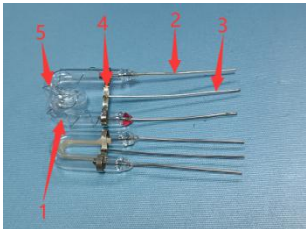
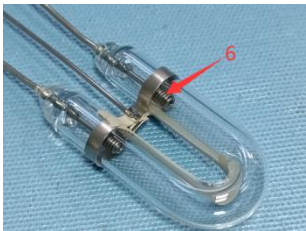
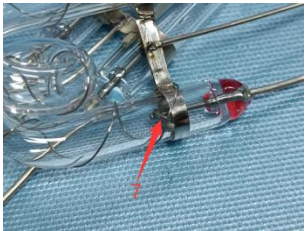
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## Test results:

### Tested part(s) description:

Test Item(s)	Description	Location	Photo
I001	Transparent glass	Xenon flash tube	
I002	Silver metal pin (thick)	Xenon flash tube	
I003	Silver metal pin (thin)	Xenon flash tube	
I004	Silver metal sheet	Xenon flash tube	
I005	Silver metal wire	Xenon flash tube	
I006	Silver metal spring	Xenon flash tube	
I007	Silver metal ring	Xenon flash tube	

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# Test Report

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**1.1. Screening Test for the Certain Hazardous Substances of RoHS**

- Heavy Metal (Lead, Cadmium, Mercury, Chromium) Content Test
- Bromine Content Test

**Test Method:** IEC62321-3-1:2013, and Quantification Analyzed with Energy Dispersive X-ray Fluorescence Spectrometers.

Analyte	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr)	PBBs&PBDEs	Conclusion
Test Item(s)	Result (mg/kg)					
I001	BL	BL	BL	BL	BL	PASS
I002	BL	BL	BL	BL	N.A.	PASS
I003	BL	BL	BL	BL	N.A.	PASS
I004	BL	BL	BL	BL	N.A.	PASS
I005	BL	BL	BL	BL	N.A.	PASS
I006	BL	BL	BL	BL	N.A.	PASS
I007	BL	BL	BL	IN	N.A.	-

Note:

1. mg/kg = milligram per kilogram = ppm = part per million, 10 000 mg/kg = 1 %
2. "OL" denotes "over limit" ; "BL" denotes "below limit" ; "N.A." denotes "Not Applicable".
3. PBBs&PBDEs were evaluated by Bromine content of XRF screening.
4. XRF screening limits for different materials:

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

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## 1.2. Test for Heavy Metals

- Lead, Cadmium and Chromium Content Tests according to IEC 62321-5:2013.
- Mercury Content Test according to IEC 62321-4:2013+AMD1:2017.
- Chromium VI Content in Metal Test according to IEC 62321-7-1:2015.
- Chromium VI Content in Polymers and Electronic Test according to IEC 62321-7-2:2017.

Analyte	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	Conclusion
Detection Limit	10	10	10	10 / Δ	
Requirements	1000	100	1000	1000 / Negative	
Test Item(s)	Result (mg/kg)				Conclusion
I007	/	/	/	Negative	

### Note:

1. mg/kg = milligram per kilogram = ppm = part per million, 10 000 mg/kg = 1 %.
2. "N.D." = "Not Detected".
3. "Δ" = Result(s) of Cr VI for metallic material(s) was (were) expressed in term of positive and negative. Negative means the absence of Cr VI on the tested areas and the result(s) was (were) regarded as in compliance with European Council Directive 2011/65/EU, Article 4(1)(less than 0.10μg/cm<sup>2</sup>). While, positive means the presence of Cr VI on tested areas and the result(s) was (were) regarded as in conflict with European Council Directive 2011/65/EU, Article 4(1)(greater than 0.13μg/cm<sup>2</sup>).

### Disclaimer Measurement Uncertainty:

Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as PASS nor as FAIL.

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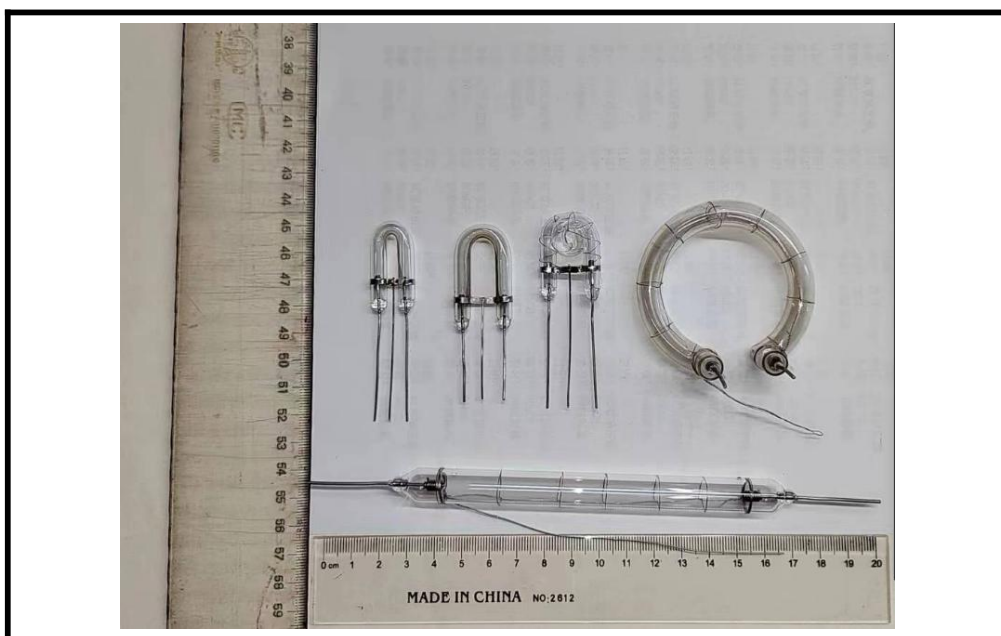
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Test Samples(Samples photograph)



Nontest Samples(Pictures only for reference submitted by client)



NBTS authenticate the photograph on original report only

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

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