



RoHS TEST REPORT

For

RED LIGHT THERAPY CAP

Model: QZ022, QZ036

Brand Name: N/A

Report No.: ENC2510105GZ19R1

Date of Issue: Oct. 20, 2025

Prepared For

Shenzhen Liyoutong Technology Co., Ltd.

**2/F, Block C, Baoshan Second Industrial Zone, Pingshan District, Shenzhen,
Guangdong, China**

Prepared By

East Notice Certification Service Co., Ltd.

**1/F, Haohui Commercial Building, Zhuji Street, Dongpu Town, Tianhe District,
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1. GENERAL INFORMATION:

Product Description:	RED LIGHT THERAPY CAP
Model Number:	QZ022, QZ036
Model Difference:	All models have same electrical structure as QZ022, except for the different appearance and power.
Brand Name:	N/A
Applicant:	Shenzhen Liyoutong Technology Co., Ltd.
	2/F, Block C, Baoshan Second Industrial Zone, Pingshan District, Shenzhen, Guangdong, China
Manufacturer:	Shenzhen Liyoutong Technology Co., Ltd.
	2/F, Block C, Baoshan Second Industrial Zone, Pingshan District, Shenzhen, Guangdong, China
Testing date	Oct. 10, 2025 – Oct. 20, 2025
Test Method(If tested):	(1)With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES. (2)With reference to IEC 62321-5:2013, determination of Lead by ICP-OES. (3)With reference to IEC 62321-4:2017, determination of Mercury by ICP-OES. (4)With reference to IEC 62321-7-1:2015 or IEC 62321-7-2:2017, determination of Hexavalent Chromium by spot test / Colorimetric Method using UV-Vis. (5)With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. (6)With reference to IEC 62321-8:2017, determination of Phthalates by GC-MS.
Directive:	COMMISSION DELEGATED DIRECTIVE (EU) 2015/863 and (EU) 2017/2102 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances
Remark:	Based on the performed tests on submitted sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Phthalates (DEHP, BBP, DBP, DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 and (EU) 2017/2102 amending Annex II to Directive 2011/65/EU.

The test results of this report relate only to the tested sample identified in this report.

Should any objections to the test reports occurred, should submit it to the company within ten days since the issuing of the report, Fail to accept.

Checked By



Yemig Oct. 20, 2025

Authorized By



Ray Zhou Oct. 20, 2025

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**East Notice Certification**

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2. TEST PART DESCRIPTION

No.	Part Description	Form of evidence of compliance		Verdict
		Laboratory	Report No.	
1	Black fabric cap	ENC	ENC2510105GZ19R1-01	PASS
2	Gray fabric lining	ENC	ENC2510105GZ19R1-02	PASS
3	Black adhesive tape	ENC	ENC2510105GZ19R1-03	PASS
4	Sewing thread	ENC	ENC2510105GZ19R1-04	PASS
5	Black plastic controller	ENC	ENC2510105GZ19R1-05	PASS
6	Indicator light	ENC	ENC2510105GZ19R1-06	PASS
7	Button keys	ENC	ENC2510105GZ19R1-07	PASS
8	Charging port	ENC	ENC2510105GZ19R1-08	PASS
9	USB cable	ENC	ENC2510105GZ19R1-09	PASS
10	Li-Ion battery	ENC	ENC2510105GZ19R1-10	PASS
11	LED beads	ENC	ENC2510105GZ19R1-11	PASS
12	LED PCB	ENC	ENC2510105GZ19R1-12	PASS
13	Transparent plastic film	ENC	ENC2510105GZ19R1-13	PASS
14	Instruction	ENC	ENC2510105GZ19R1-14	PASS

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3. TEST RESULT:

No.	Part Description	Unit	Lead	Cadmium	Mercury	Chromium
			(Pb)	(Cd)	(Hg)	(Cr ⁶⁺)
1	Black fabric cap	ppm	N.D.	N.D.	N.D.	N.D.
2	Gray fabric lining	ppm	N.D.	N.D.	N.D.	N.D.
3	Black adhesive tape	ppm	N.D.	N.D.	N.D.	N.D.
4	Sewing thread	ppm	N.D.	N.D.	N.D.	N.D.
5	Black plastic controller	ppm	N.D.	N.D.	N.D.	N.D.
6	Indicator light	ppm	N.D.	N.D.	N.D.	N.D.
7	Button keys	ppm	N.D.	N.D.	N.D.	N.D.
8	Charging port	ppm	N.D.	N.D.	N.D.	N.D.
9	USB cable	ppm	N.D.	N.D.	N.D.	N.D.
10	Li-Ion battery	ppm	N.D.	N.D.	N.D.	N.D.
11	LED beads	ppm	N.D.	N.D.	N.D.	N.D.
12	LED PCB	ppm	N.D.	N.D.	N.D.	N.D.
13	Transparent plastic film	ppm	N.D.	N.D.	N.D.	N.D.
14	Instruction	ppm	N.D.	N.D.	N.D.	N.D.

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No.	Unit	Polybrominated Biphenyls (PBBs)									
		Mono-bromobiphenyl	Di-bromobiphenyl	Tri-bromobiphenyl	Tetra-bromobiphenyl	Penta-bromobiphenyl	Hexa-bromobiphenyl	Hepta-bromobiphenyl	Octa-bromobiphenyl	Nona-bromobiphenyl	Deca-bromobiphenyl
1	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
2	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
3	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
4	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
5	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
6	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
7	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
8	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
9	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
10	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
11	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
12	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
13	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
14	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

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No.	Unit	Polybrominated Diphenyl Ethers (PBDEs)									
		Mono-Bromobiphenyl ether	Di-Bromobiphenyl ether	Tri-Bromobiphenyl ether	Tetra-Bromobiphenyl ether	Penta-bromobiphenyl ether	Hexa-Bromobiphenyl ether	Hepta-Bromobiphenyl ether	Octa-Bromobiphenyl ether	Nona-bromobiphenyl ether	Deca-Bromobiphenyl ether
1	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
2	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
3	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
4	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
5	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
6	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
7	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
8	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
9	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
10	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
11	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
12	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
13	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
14	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

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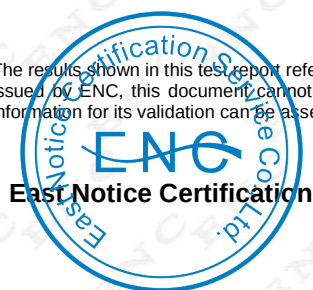


No.	Part Description	Unit	Phthalates			
			Di-(2-ethylhexyl) Phthalate (DEHP)	Benzylbutyl Phthalate (BBP)	Dibutyl Phthalate (DBP)	Diisobutyl Phthalate (DIBP)
1	Black fabric cap	mg/kg	N.D.	N.D.	N.D.	N.D.
2	Gray fabric lining	mg/kg	N.D.	N.D.	N.D.	N.D.
3	Black adhesive tape	mg/kg	N.D.	N.D.	N.D.	N.D.
4	Sewing thread	mg/kg	N.D.	N.D.	N.D.	N.D.
5	Black plastic controller	mg/kg	N.D.	N.D.	N.D.	N.D.
6	Indicator light	mg/kg	N.D.	N.D.	N.D.	N.D.
7	Button keys	mg/kg	N.D.	N.D.	N.D.	N.D.
8	Charging port	mg/kg	N.D.	N.D.	N.D.	N.D.
9	USB cable	mg/kg	N.D.	N.D.	N.D.	N.D.
10	Li-Ion battery	mg/kg	N.D.	N.D.	N.D.	N.D.
11	LED beads	mg/kg	N.D.	N.D.	N.D.	N.D.
12	LED PCB	mg/kg	N.D.	N.D.	N.D.	N.D.
13	Transparent plastic film	mg/kg	N.D.	N.D.	N.D.	N.D.
14	Instruction	mg/kg	N.D.	N.D.	N.D.	N.D.
MDL		mg/kg	30	30	30	30

NOTE:

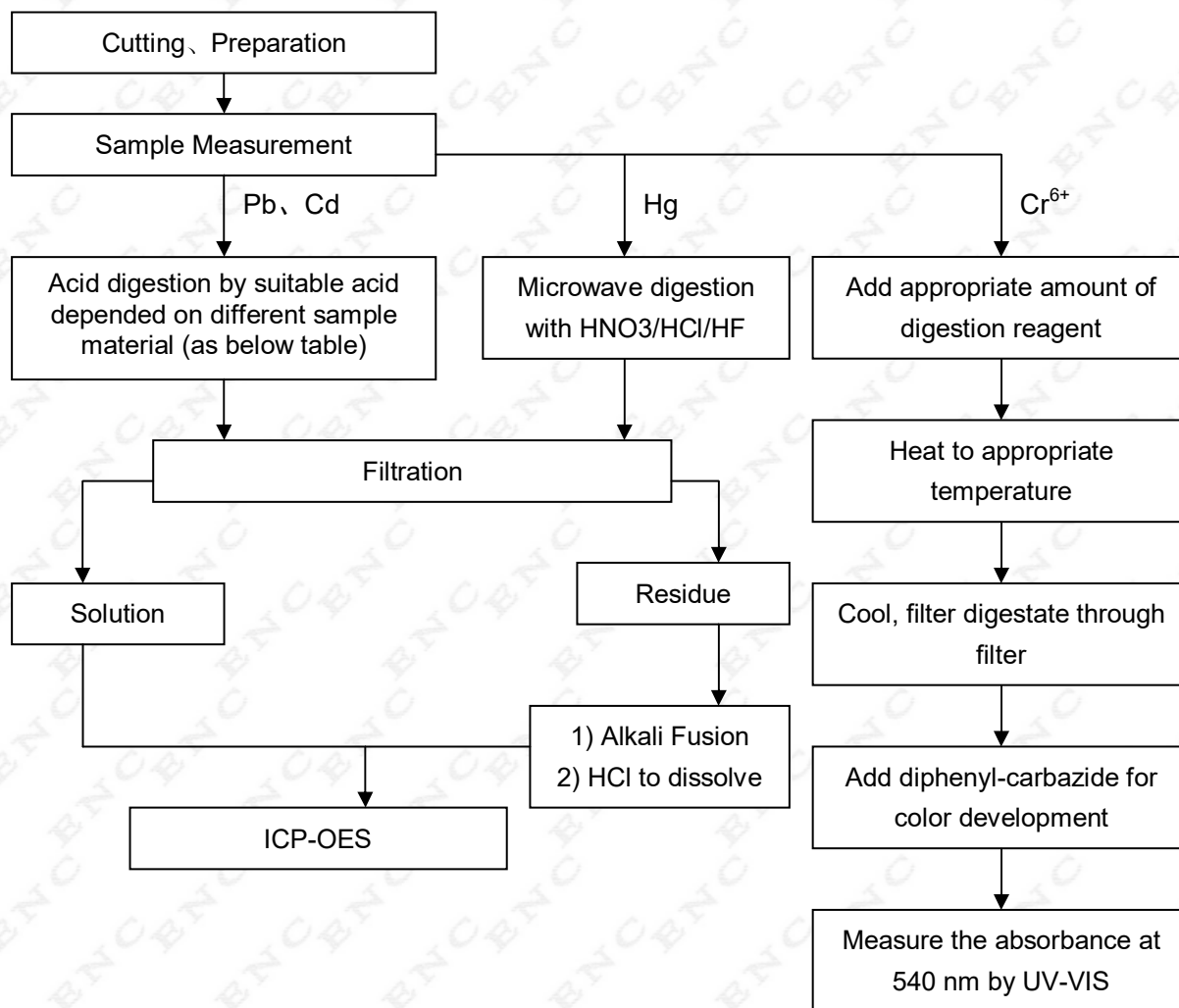
- (1) Pb Limit=1000mg/kg, Cd Limit=100mg/kg, Hg Limit=1000mg/kg;
 Cr⁶⁺ Limit=1000mg/kg ; PBBs Limit=1000mg/kg, PBDEs Limit=1000mg/kg
- (2) N.D. = not detected (<MDL)
- (3) MDL=Method Detection Limit
- (4) ppm = mg/kg

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4. FLOW CHART

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
(Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Sam Liu
- 3) Name of the person in charge of measurement: Yemig

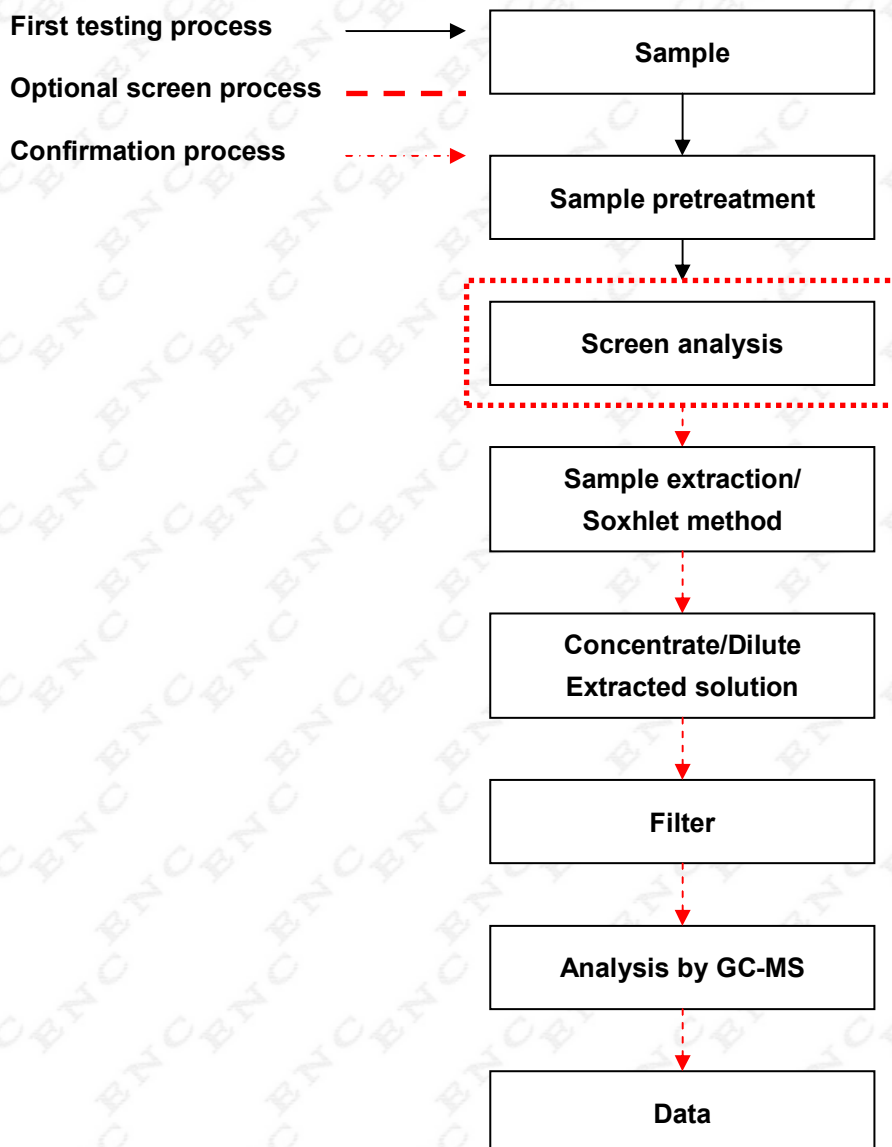


Sample Material	Digestion Acid
Steel, copper, aluminum, solder	Aqua regia, HNO ₃ , HCl, HF, H ₂ O ₂
Glass	HNO ₃ /HF
Gold, platinum, palladium, ceramic	Aqua regia
Silver	HNO ₃
Plastic	H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ , HCl
Others	Any acid to total digestion

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5. PBB/PBDE ANALYTICAL FLOW CHART

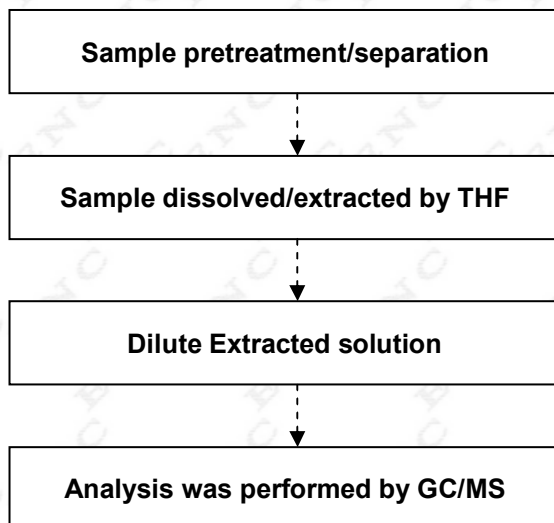
- 1) Name of the person who made measurement: Liu Sam
- 2) Name of the person in charge of measurement: Yemig



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6. ANALYTICAL FLOW CHART - PHTHALATE

- 1) Name of the person who made measurement: Liu Sam
- 2) Name of the person in charge of measurement: Yemig



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APPENDIX

PHOTOGRAPH(S) OF SAMPLE

Front View of Sample



Back View of Sample



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Side View of Sample



Internal View of Sample



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Front View of Model: QZ036



Internal View of Model: QZ036



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Other model-1



Other model-2



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Other model-3



Other model-4



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