

## Test Report

Number: SHAH01379164

Applicant: SHANGHAI HOTO TECHNOLOGY CO., LTD.  
BUILDING 45, NO. 50, MOGANSHAN  
ROAD, PUTUO DISTRICT, SHANGHAI, CHINA

Date: 24 Sep, 2021

Attn: WANG QI

### Sample Description:

One( 1 ) group of submitted sample said to be :

Item Name : HOTO Flashlight Lite  
Item No. : QWSDT001  
Quantity : 2  
Packaging Provided By Applicant : Yes  
Goods Exported To : China, Europe, North America, South Korea  
Country Of Origin : China

### Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

### Conclusion:

Tested components	Standard	Result
(1+3+6), (2+4+5), (7), (8+21+22), (9+11+20), (10+16+17), (12), (13+14+15), (18+25+26), (19), (23+28), (24), (27)	DecaBDE, PIP(3:1), PCTP and HCBd content requirements in US EPA 40 CFR 751 Subpart E Persistent, Bioaccumulative and Toxic Chemicals	Pass

(1+3+6), (2+4+5), (7), (8+21+22), (9+11+20), (10+16+17), (12), (13+14+15), (18+25+26), (19), (23+28), (24), (27)	2,4,6-TTBP content requirement in US EPA 40 CFR 751 Subpart E Persistent, Bioaccumulative and Toxic Chemicals	Pass
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To be continued

Authorized By:  
Intertek Testing Services Ltd. Zhejiang



Peter Chen  
General Manager



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Tests Conducted

### 1. DecaBDE, PIP(3:1), PCTP and HCBd Content

By solvent extraction, followed by Gas Chromatography Mass Spectrometric (GC/MS).

Test Item	CAS No	Result (%)						Limit (%)
		(1+3+6)	(2+4+5)	(7)	(8+21+22)	(9+11+20)	(10+16+17)	
Decabromodiphenyl ether (DecaBDE)	1163-19-5	ND	ND	ND	ND	ND	ND	ND
Phenol, isopropylated phosphate (3:1) [PIP (3:1)]	68937-41-7	ND	ND	ND	ND	ND	ND	ND
Pentachlorothiophenol (PCTP)	133-49-3	ND	ND	ND	ND	ND	ND	1
Hexachlorobutadiene (HCBd)	87-68-3	ND	ND	ND	ND	ND	ND	ND

Test Item	CAS No	Result (%)								Limit (%)
		(12)	(13+14+15)	(18+25+26)	(19)	(23+28)	(24)	(27)		
Decabromodiphenyl ether (DecaBDE)	1163-19-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol, isopropylated phosphate (3:1) [PIP (3:1)]	68937-41-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorothiophenol (PCTP)	133-49-3	ND	ND	ND	ND	ND	ND	ND	ND	1
Hexachlorobutadiene (HCBd)	87-68-3	ND	ND	ND	ND	ND	ND	ND	ND	ND

The limit were quoted according to US EPA 40 CFR 751 Subpart E Persistent, Bioaccumulative and Toxic Chemicals for DecaBDE, PIP(3:1), PCTP and HCBd content requirements.

Remark: ND = Not detected (less than reporting limit)  
Reporting Limit = 0.005%

Tested Component(s): See component list in the last section of this report.

Date sample received: Aug 30, 2021

Testing period: Aug 30, 2021 to Sep 22, 2021

### 2. 2,4,6-TTBP Content

By solvent extraction, followed by Gas Chromatography Mass Spectrometric (GC/MS).



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Test Item	CAS No	Result (%)							Limit (%)
		(1+3+6)	(2+4+5)	(7)	(8+21+22)	(9+11+20)	(10+16+17)		
2,4,6-tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	ND	ND	ND	ND	ND	ND	ND	0.3

Test Item	CAS No	Result (%)							Limit (%)
		(12)	(13+14+15)	(18+25+26)	(19)	(23+28)	(24)	(27)	
2,4,6-tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	ND	ND	ND	ND	ND	ND	ND	0.3

The limit was quoted according to US EPA 40 CFR 751 Subpart E Persistent, Bioaccumulative and Toxic Chemicals for 2,4,6-TTBP content requirement.

Remark: ND = Not detected (less than reporting limit)  
Reporting Limit = 0.005%

Tested Component(s): See component list in the last section of this report.

Date sample received: Aug 30, 2021  
Testing period: Aug 30, 2021 to Sep 22, 2021

### Components List:

- (1) Black rubber (sealing ring)
- (2) White plastic (protective cover)
- (3) Black rubber (sealing ring)
- (4) Orange plastic (buckle)
- (5) White plastic (support)
- (6) Grey rubber (button)
- (7) LED
- (8) Orange soft plastic (adhesive tape)
- (9) Orange plastic (support)
- (10) White rubber (rubber mat)
- (11) Black plastic (USB out cover)
- (12) IC
- (13) PCB
- (14) PCB
- (15) PCB



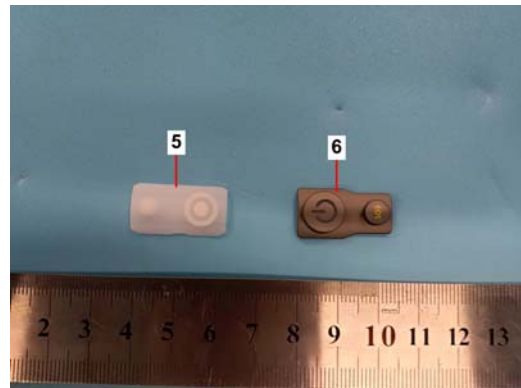
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- (16) Black rubber (lead skin)
- (17) Red rubber (lead skin)
- (18) Black rubber (lead skin)
- (19) Black sponge (sponge mat)
- (20) White plastic (inner support)
- (21) White soft plastic (glue)
- (22) Black soft plastic (plug skin)
- (23) Black plastic (inner support)
- (24) PCB
- (25) Black rubber (cable skin)
- (26) Black rubber (lead skin)
- (27) Red rubber (lead skin)
- (28) White plastic (cap)

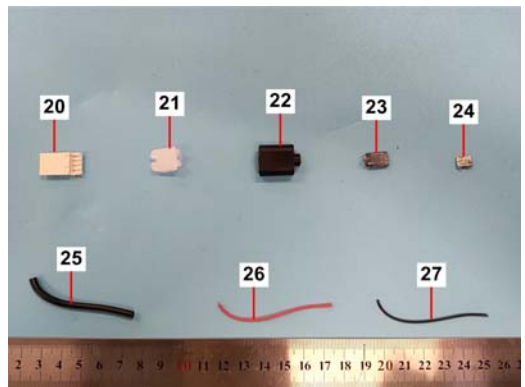
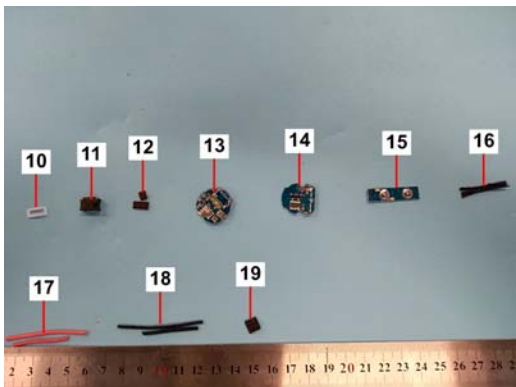
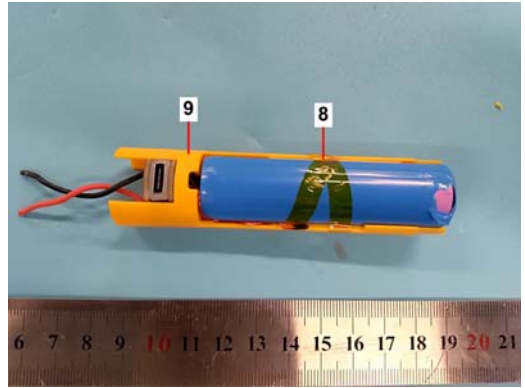
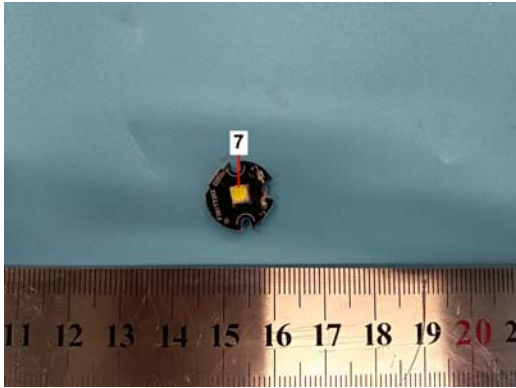
Remark: Test item is tested in Intertek CNAS L3439.



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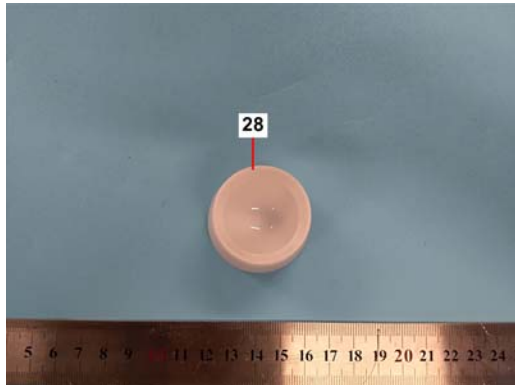
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End of report

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