

## Test Report

Number: GZHH00582150

Applicant: FLASHBAY ELECTRONICS  
BUILDING2, JIXUN INDUSTRIAL PARK, XINJIAO,  
DONG'AO VILLAGE, SHATIAN TOWN, HUIYANG  
DISTRICT, HUIZHOU CITY, GUANGDONG PROVINCE,  
P. R. CHINA

Date: Feb 21, 2025

### Sample Description:

Six (6) pieces of submitted sample said to be :  
Item Name : **Pen Series**  
Item No. : **Perch (PE)**  
Country of Origin : China  
Date Sample Received : Jan 14, 2025 & Feb 18, 2025  
Testing Period : Jan 14, 2025 ~ Feb 21, 2025

Tested sample



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### Tests conducted:

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

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To be continued



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### Conclusion:

<u>Tested sample</u>	<u>Standard/Testing Item</u>	<u>Result</u>
Tested component(s) of submitted sample(s)	DecaBDE, PIP(3:1), PCTP, HCBd Content requirements in US EPA 40 CFR 751 Subpart E Persistent, Bioaccumulative and Toxic Chemicals	Pass
	2,4,6-TTBP Content requirements in US EPA 40 CFR 751 Subpart E Persistent, Bioaccumulative and Toxic Chemicals	Pass

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Authorized by:  
For Intertek Testing Services Shenzhen Ltd.  
Guangzhou Branch, Hardlines

  
Victor T.J. Wang  
General Manager



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### Tests Conducted

#### 1 PBT (DecaBDE, PIP(3:1), PCTP, HCBd) Content (US EPA 40 CFR 751 Subpart E)

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

Test item	CAS No	Result (%)	Reporting limit (%)	Limit (%)
		Tested component		
		(5)to(7), (13)		
Decabromodiphenyl ether (DecaBDE)	1163-19-5	ND	0.005	ND
Phenol, isopropylated phosphate (3:1) [PIP (3:1)]	68937-41-7	ND	0.005	ND
Pentachlorothiophenol (PCTP)	133-49-3	ND	0.005	1
Hexachlorobutadiene (HCBd)	87-68-3	ND	0.005	ND

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

If the DecaBDE and PIP (3:1) were not intentionally added to the product or article, the allowances for unintentional amounts of DecaBDE and PIP (3:1) present in products and articles at concentrations were 0.1% by weight each.

ND = Not detected (less than reporting limit)

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

#### 2 PBT (2,4,6-TTBP) Content (US EPA 40 CFR 751 Subpart E)

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

Test item	CAS No	Result (%)	Reporting limit (%)	Limit (%)
		Tested component		
		(3)		
2,4,6-tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	ND	0.005	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 requirements.

ND = Not detected (less than reporting limit)

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



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#### Components list:

Sequence No.	Test Component No.	Test Component Description(s)
SN1	3.	Black ink (pen).
SN2	5.	White plastic (ink chamber).
SN3	6.	Beige plastic (base of button).
SN4	7.	Off-white plastic (inner of spring of button) (internal).
SN5	13.	Black plastic with white coating (tip, button, inner barrel).



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Reference photo



Remark: The products in the reference photos are not tested in this report. It's declared by the applicant that they are the same series of products with the particular tested sample, just included in the report for reference.

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End of report

*The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band  $w = U$ ) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.*

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