Verification Report

No.: SZXEC26003532801 **Date:** Jul 05, 2026

Client Name: FLASHBAY ELECTRONICS HUIZHOU

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

Sample Name: USB Flash Drives

Model No.: Pax(PX)

The above sample(s) and information were provided by the client.

SGS Job No.: SZP26-027582

Sample Receiving Date: Jun 03, 2026

Verification Period: Jun 03, 2026 ~ Jul 05, 2026

Verification Requested: With reference to RoHS Directive (EU) 2015/863 amending 2011/65/EU.

Verification Method(s): Please refer to next page(s).

Verification Result(s): Please refer to next page(s).

Test Result Summary:

Test Items	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Fay Yuan
Approved Signatory

Scan to see the report

E3601358

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Photo of Submitted Sample



Verification Method(s):

1. With reference to IEC 62321-2:2021, disassembly and disjointment were performed for the submitted samples.
2. With reference to IEC 62321-1:2013, tests were performed for the samples indicated by the photos in this report.

(1) With reference to IEC 62321-3-1:2026, screening by EDXRF spectroscopy.

(2) Wet chemical test method: With reference to IEC 62321-4:2013+A1:2017, IEC62321-5:2013, IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-12:2023, IEC 62321-6:2015 and IEC62321-8:2017, analyzed by ICP-OES,UV-Vis and GC-MS.

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Verification Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SZX26-0035328-0001.C001	Light brown wood with black printing
SN2	A2	SZX26-0035328-0001.C002	Light brown wood
SN3	A3	SZX26-0035328-0001.C003	Silvery metal part
SN4	A4.1	SZX26-0035328-0001.C004.C001	Silvery metal part (A4 improved sample submitted by 2026-6-30)
SN5	A5	SZX26-0035328-0001.C005	Silvery magnet
SN6	A6	SZX26-0035328-0001.C006	Silvery metal shell with black printing
SN7	A7	SZX26-0035328-0001.C007	Blue plastic part
SN8	A8	SZX26-0035328-0001.C008	Silvery metal pin with golden surface
SN9	A9	SZX26-0035328-0001.C009	Black body
SN10	A10	SZX26-0035328-0001.C010	Black plastic part
SN11	A11	SZX26-0035328-0001.C011	Silvery metal shell
SN12	A12	SZX26-0035328-0001.C012	Silvery metal part
SN13	A13	SZX26-0035328-0001.C013	Silvery metal part
SN14	A14	SZX26-0035328-0001.C014	Black plastic part
SN15	A15	SZX26-0035328-0001.C015	Black plastic part
SN16	A16	SZX26-0035328-0001.C016	Silvery metal pin with golden surface

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Verification Result(s):

In accordance with the result of material risk assessment, the following disjointed parts in the submitted sample have been verified. (Unless otherwise specified, the unit is mg/kg).

Test Item(s)	A1	A2	A3	A4.1	A5	A6	A7	A8
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	BL	BL	BL	BL	BL
PBB	BL	BL	---	---	BL	---	BL	---
PBDE	BL	BL	---	---	BL	---	BL	---
DEHP	BL	BL	---	---	BL	---	BL	---
BBP	BL	BL	---	---	BL	---	BL	---
DBP	BL	BL	---	---	BL	---	BL	---
DIBP	BL	BL	---	---	BL	---	BL	---
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A9	A10	A11	A12	A13	A14	A15	A16
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	ND	ND	ND	BL	BL	BL
PBB	BL	BL	---	---	---	BL	BL	---
PBDE	BL	BL	---	---	---	BL	BL	---
DEHP	BL	BL	---	---	---	BL	BL	---
BBP	BL	BL	---	---	---	BL	BL	---
DBP	BL	BL	---	---	---	BL	BL	---
DIBP	BL	BL	---	---	---	BL	BL	---
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

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Notes:

(1) Interpretation of screening results by X-ray fluorescence spectrometry (XRF):

(a) Screening limits in mg/kg for regulated elements in various matrices according to IEC 62321-3-1:2026 Annex A as below table.

Element	Polymers	Metals	Composite Materials
Cd	BL≤(70-3σ)<X<(130+3σ)≤OL	BL≤(70-3σ)<X<(130+3σ)≤OL	LOD<X<(150+3σ)≤OL
Pb	BL≤(700-3σ)<X<(1300+3σ)≤OL	BL≤(700-3σ)<X<(1300+3σ)≤OL	BL≤(500-3σ)<X<(1500+3σ)≤OL
Hg	BL≤(700-3σ)<X<(1300+3σ)≤OL	BL≤(700-3σ)<X<(1300+3σ)≤OL	BL≤(500-3σ)<X<(1500+3σ)≤OL
Br	BL ≤ (300-3σ)< X	Not applicable	BL ≤ (250-3σ)< X
Cr	BL ≤ (700-3σ)< X	BL ≤ (700-3σ)< X	BL ≤ (500-3σ)< X

(b) If the maximum allowed level restricts PBB/PBDE and Cr(VI) rather than Br and Cr, the exceptions are the XRF determinations of Br and Cr. If the quantitative results for the elements Br and/or Cr are higher than the limit (for Br calculated based on the stoichiometry of Br in the most common congeners of PBB/PBDE), the sample is “inconclusive”.

(c) Results are obtained by EDXRF for primary screening, LOD = Limit of Detection, BL = Below Limit, OL= Over Limit, IN (The symbol X marks the region)=Inconclusive, where further investigation is necessary, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBB/PBDE) are recommended to be performed.

(d) The EDXRF screening test for elements – The reading may be different to the actual content in the sample be of non-uniformity composition.

(2) Screening results of Phthalates (PHTH) below the limits are shown as "BL". Further chemical testing by GC-MS is to be performed if the results exceed limits.

Test Items	CAS No.
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7
Butyl benzyl phthalate (BBP)	85-68-7
Dibutyl phthalate (DBP)	84-74-2
Diisobutyl phthalate (DIBP)	84-69-5

(3) Interpretation of results by chemical tests:

(a) mg/kg = 0.0001%, MDL=Method detection Limit, ND = Not Detected (<MDL), --- = Not Applicable.

(b) Unit and MDL in wet chemical test

Test Items	Pb	Hg	Cd	DEHP	BBP	DBP	DIBP
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
MDL	10	10	10	100	100	100	100

The MDL for single compound of PBB and PBDE is 100 mg/kg,
MDL of Cr(VI) for polymer, composite and leather sample is 10 mg/kg.
MDL of Cr(VI) for metal sample is 0.10 μg/cm^2.

(c) ▼ =Metal sample

a. The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13 μg/cm^2. The sample coating is considered to contain Cr(VI).

b. The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 μg/cm^2). The coating is considered a non-Cr(VI) based coating

c. The result between 0.10 μg/cm^2 and 0.13 μg/cm^2 is considered to be inconclusive-unavoidable coating variations may influence the determination

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

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(4) Restricted substances and maximum concentration values tolerated by weight in homogeneous materials under RoHS Directive: Cd: 0.01%, Pb/Hg/Cr(VI)/PBB/PBDE/DEHP/BBP/DBP/DIBP: 0.1%. The limit is quoted from RoHS Directive (EU) 2015/863.

(5) IEC 62321 series is equivalent to EN 62321 series.

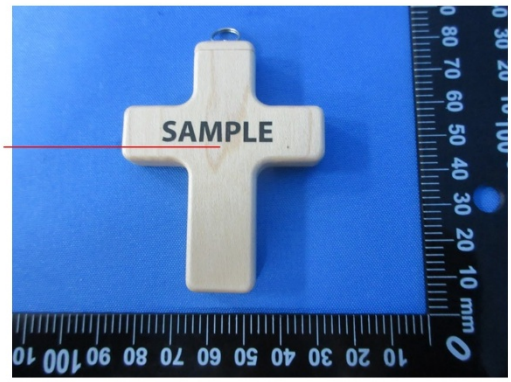
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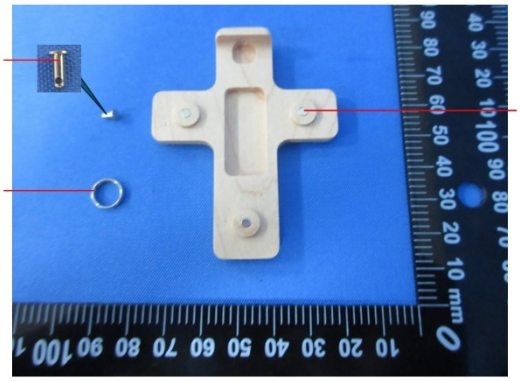
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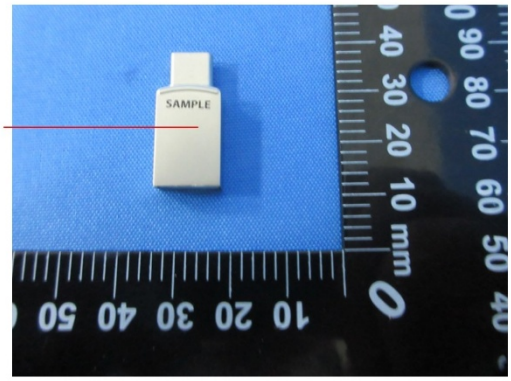
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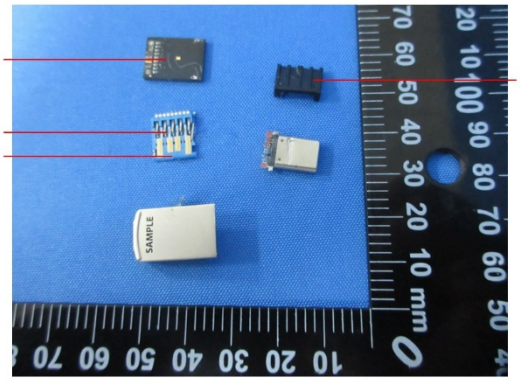






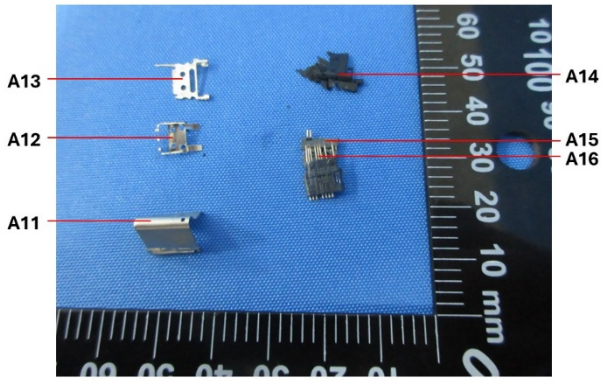






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