Report No. 4947449.50 Version 1 **Issued Date: 2025-11-21**

Test Report

Client	:	Flashbay Electronics Building2, Jixun Industrial Park, Xinjiao, Dong'ao Village, Shatian Town, Huiyang District, Huizhou City, Guangdong Province, P.R.China
Product Name	:	USB Flash drives
Model No.	:	Nano (NN)

The information and sample(s) above were submitted and identified by or on behalf of the client.

Sample Received	:	2025-11-12
Testing Period	:	2025-11-12 to 2025-11-20

Test Requested		***Result***
1)	RoHS Directive 2011/65/EU & Amendment Directive (EU) 2015/863	PASS

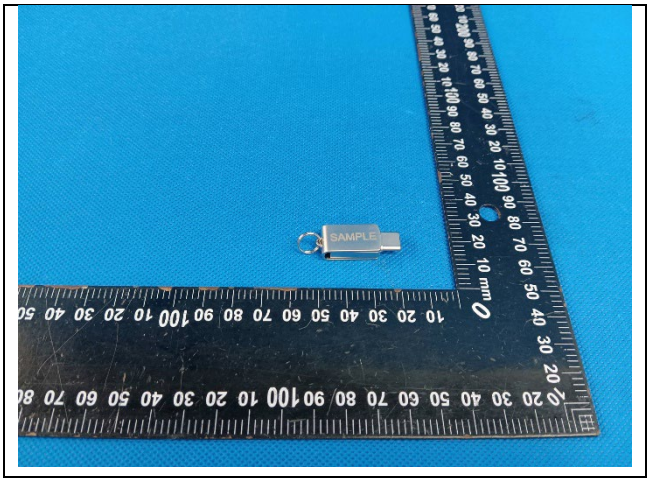
Signed for and on behalf of

DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou branch

Devin Ai

Approver

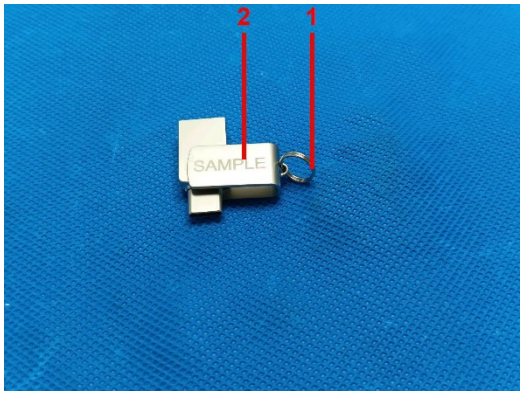
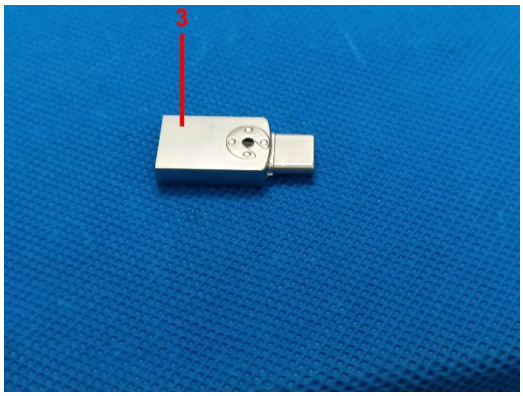
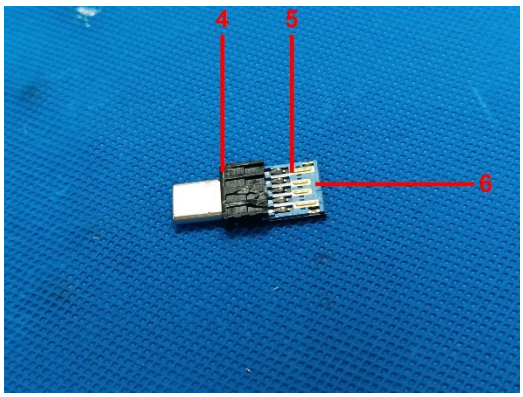
Picture of Sample Tested

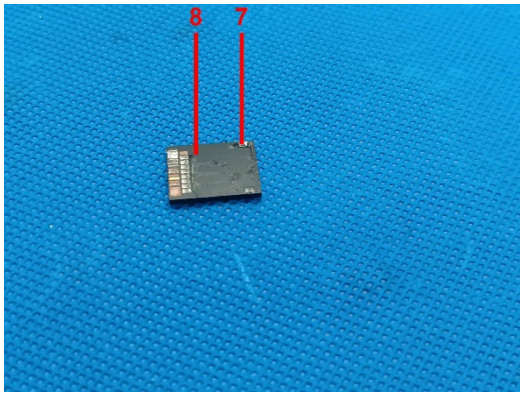
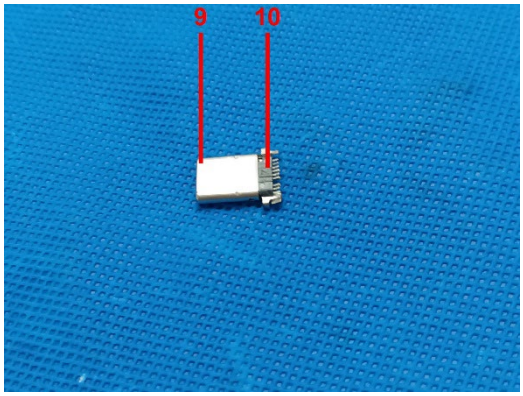
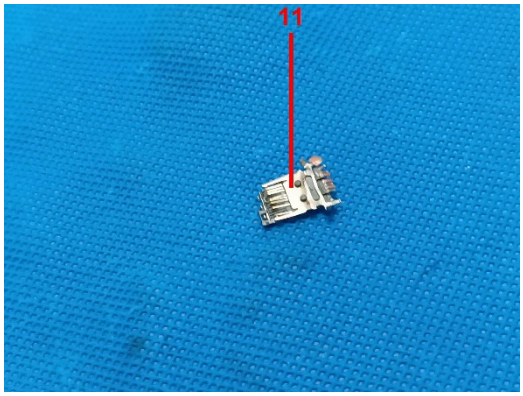


TEST RESULTS

RoHS Directive 2011/65/EU & Amendment Directive (EU) 2015/863

Test Components:

Test No.	Name of material	Photograph
1	Silvery metal	
2	Silvery metal	
3	Silvery metal	
4	Black plastic	
5	Silvery metal	
6	Blue plastic	

Test No.	Name of material	Photograph
7	Silvery metal solder	
8	Black plastic	
9	Silvery metal	
10	Black plastic	
11	Silvery metal	

A. Screening Test

Test No.	Result (mg/kg)				
	Pb	Cd	Hg	Cr	Br
1	BL	BL	BL	BL	N.A.
2	BL	BL	BL	BL	N.A.
3	BL	BL	BL	BL	N.A.
4	BL	BL	BL	BL	BL
5	BL	BL	BL	BL	N.A.
6	BL	BL	BL	BL	BL
7	BL	BL	BL	BL	N.A.
8	BL	BL	BL	BL	BL

Test No.	Result (mg/kg)				
	Pb	Cd	Hg	Cr	Br
9	BL	BL	BL	**IC**	N.A.
10	BL	BL	BL	**IC**	BL
11	BL	BL	BL	**IC**	N.A.

Remark:

1. mg/kg = Milligram per kilogram
2. BL = Below Limit
3. **OL = Over Limit, represents test item needs further confirmation.**
4. **IC = Inconclusive, represents test item needs further confirmation.**
5. N.A. = Not Applicable
6. There are the results on total Br while test items on restricted substances are PBBs and PBDEs. There are the results on total Cr while test item on restricted substance is Cr(VI).

Disclaimers:

This XRF screening result is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes. The results shown in this XRF screening report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.).

B. Chemical Test

Test Item	Result		
	(9)	(10)	(11)
Hexavalent Chromium Cr(VI)	Negative	N.D	Negative

Remark:

1. N.D. = Not Detected, less than MDL
2. mg/kg = Milligram per kilogram
3. According to IEC 62321-7-1:2015 Ed.1.0, result on Cr(VI) for metal sample is shown as Positive/Negative.
   Negative = Absence of Cr(VI) in coating layer, Positive = Presence of Cr(VI) in coating layer.

Note:

Results were obtained by EDXRF for primary screening, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) were recommended to be performed, if the concentration exceeded the warning value according to IEC 62321-3-1:2013 Ed. 1.0 (unit: mg/kg).

C. Phthalates Test

For plasticised material(s) in test components

Test Item	Result (mg/kg)				MDL (mg/kg)	Limit (mg/kg)
	(4)	(6)	(8)	(10)		
Bis(2-ethylhexyl) phthalate (DEHP)	N.D.	N.D.	N.D.	N.D.	100	1000
Butyl benzyl phthalate (BBP)	N.D.	N.D.	N.D.	N.D.	100	1000
Dibutyl phthalate (DBP)	N.D.	N.D.	N.D.	N.D.	100	1000
Diisobutyl phthalate (DIBP)	N.D.	N.D.	N.D.	N.D.	100	1000

Remark:

1. N.D. = Not Detected (below MDL)
2. MDL = Method Detection Limit
3. mg/kg = Milligram per kilogram

Test Method

A. Screening test by XRF spectroscopy: With reference to IEC 62321-3-1: 2013 Ed. 1.0 Screening - Lead, mercury, cadmium, total chromium and total bromine using X-ray fluorescence spectrometry.

Screening limits in mg/kg for regulated elements in various material.

Element	Polymer Material	Metallic Material	Composite Material
Cadmium (Cd)	BL≤70＜IC＜130≤OL	BL≤70＜IC＜130≤OL	LOD＜IC＜150≤OL
Lead (Pb)	BL≤700＜IC＜1300≤OL	BL≤700＜IC＜1300≤OL	BL≤500＜IC＜1500≤OL
Mercury (Hg)	BL≤700＜IC＜1300≤OL	BL≤700＜IC＜1300≤OL	BL≤500＜IC＜1500≤OL
Bromine (Br)	BL≤300＜IC	N.A.	BL≤250＜IC
Chromium (Cr)	BL≤700＜IC	BL≤700＜IC	BL≤500＜IC

BL = Below Limit, OL = Over Limit, IC=Inconclusive, N.A. = Not Applicable, LOD=Limit of Detection

B. Chemical Test

Test Item	Test Method	Test Instrument	MDL	EU RoHS Limit (mg/kg)
Lead (Pb)	IEC 62321-5: 2013 Ed. 1.0 Sec.7	ICP-OES	5mg/kg	1000
Cadmium (Cd)	IEC 62321-5: 2013 Ed. 1.0 Sec.7	ICP-OES	5mg/kg	100
Mercury (Hg)	IEC 62321-4: 2013 AMD 1:2017 Ed. 1.0 Sec.7	ICP-OES	5mg/kg	1000
Hexavalent Chromium (Cr(VI))	IEC 62321-7-1:2015 Ed.1.0 Sec.7	UV-Vis	0.1μg/cm^2	1000
	IEC 62321-7-2:2017 Ed.1.0 Sec.7	UV-Vis	2mg/kg	
Polybrominated Biphenyls (PBBs)	IEC 62321-6: 2015 Ed. 1.0 Sec.8	GC-MS	10mg/kg	1000
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6: 2015 Ed. 1.0 Sec.8	GC-MS	10mg/kg	1000
Bis(2-ethylhexyl) phthalate (DEHP)	IEC 62321-8: 2017 Ed. 1.0 Sec.8	GC-MS	100mg/kg	1000
Butyl benzyl phthalate (BBP)	IEC 62321-8: 2017 Ed. 1.0 Sec.8	GC-MS	100mg/kg	1000

Test Item	Test Method	Test Instrument	MDL	EU RoHS Limit (mg/kg)
Dibutyl phthalate (DBP)	IEC 62321-8: 2017 Ed. 1.0 Sec.8	GC-MS	100mg/kg	1000
Diisobutyl phthalate (DIBP)	IEC 62321-8: 2017 Ed. 1.0 Sec.8	GC-MS	100mg/kg	1000

---End of Report---