

Report No.: S24102203026001 Page 1 of 9

TEST REPORT

Applicant: Flashbay Electronics

Address: Building2 ,Jixun Industrial Park ,Xinjiao ,Dong'ao Village ,Shatian

Town ,Huiyang District ,Huizhou City , Guangdong Province,P.R.China

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample name: USB Flash Drives

Model: Trix/TX

Manufacturer & Factory: Flashbay Electronics

Address: Building2 ,Jixun Industrial Park ,Xinjiao ,Dong'ao Village ,Shatian

Town ,Huiyang District ,Huizhou City , Guangdong Province,P.R.China

Sample No.: S241022030027

Sample Received Date: 2024-10-24

Testing Period: 2024-10-24~ 2024-11-13

Test Requirement: Conclusion

As specified by client, to determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs), Bis-(2-ethylhexyl) Phthalate (DEHP), Benzyl butyl Phthalate (BBP), Dibutyl Phthalate (DBP) and Diisobutyl Phthalate(DIBP)contents in the submitted sample(s) in accordance with RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Pass

Test Result(s): Please refer to the following page(s);

Test Method: Please refer to the following page(s);

Compiled by:	Zane. W	Reviewed by:	Luetta Mo		
Approved by:	May Li	Date:	(8)	2024-11-14	at.

Shenzhen NTEK Testing Technology Co., Ltd. | Address: Building 1, 2, 11, 12, No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China | Tel: +86-0755-2320 0050 | http://www.ntek.org.cn



Report No.: S24102203026001 Page 2 of 9

Sample Description:

No.	Sample name	Description	
1		Transparent soft plastic film of shell	
2		White plastic shell	
3		Plastic sheet with glue of shell	Ž
4	LICD Floob Drives	Silver metal ring of shell	A.C.
5	USB Flash Drives	Transparent plastic shell of shell	
6	***	Silver metal shell of USB interface	
7	A Min	Black plastic frame of USB interface	
8		Black PCB of USB interface	

Test Result(s): Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers(PBDEs)

Dowt No.	Т	4 14 0 00 0	XRF Screening	Chemical Test	Canalysian	
Part No.	res	st Items	Result(mg/kg)	Result(mg/kg)	Conclusion	
		Pb A	BL	/		
		Cd	BL	/	-	
		Hg	BL	/		
1	Cr	Cr(VI)	BL	/	Pass	
	D.,	PBBs	DI	/	*	
	Br	PBDEs	BL	· /	.et	
		Pb	BL	Kill /	4	
		Cd	BL	1		
2		Hg 💥	BL	4	Pass	
2	Cr	Cr(VI)	BL	/	Pass	
	Br	PBBs	BL	/		
	DI	PBDEs	DL	/		
		Pb	BL	/		
	Cd		BL	/	ئ طہ	
3		Hg	BL	/	Dans William	
3	Cr	Cr(VI)	BL	A King /	Pass	
	Br	PBBs	BL			
	DI	PBDEs	DL			
		Pb	BL	/		
	Cd	BL	/			
4		Hg	BL	/	Pass	
4	Cr	Cr(VI)	BL	/	F 455	
	Dr	PBBs		/	N.	
	Br	PBDEs	/	<u> </u>	Zirk.	



Report No.: S24102203026001 Page 3 of 9

			*	
	Pb	BL	/	
Cd		BL	/	
Hg		BL	/	Pass
Cr	Cr(VI)	BL	/	Pass
D۳	PBBs	DI	/	<u>ئ</u> ر م
ы	PBDEs	DL	<u></u> 1	1,61
	Pb	BL	1 thin 1	
	Cd	BL	1	
	Hg Living	BL	1	Pass
Cr	Cr(VI)	BL	/	r ass
Rr -	PBBs	- /	/	
	PBDEs		1	
Pb Cd		BL	1	
		BL	/	.et
	Hg	BL	<u> </u>	Pass
Cr	Cr(VI)	BL	1	Fass
Br PBBs BL	RI	1		
	PBDEs	DL	1	
Pb		BL	1	
Cd		BL	1	
	Hg	BL	1	Pass
Cr	Cr(VI)	BL	1	1 033
Br PBBs PBDEs		INI	N.D.	E.
	PBDEs	N.D.	4.	
	Br Cr Br Cr	Cd Hg Cr Cr(VI) PBBs PBDEs Pb Cd Hg Cr (VI) PBBs PBDEs Pb Cd Hg Cr (Cr(VI) PBBs PBDEs Pb Cd Hg Cd Hg Cr (Cr(VI) PBBs PBBs PBBs PBBs PBBs PBBs	Cd BL Hg BL Cr Cr(VI) BL Br PBBs BL Pb BL BL Cd BL BL Cr Cr(VI) BL Br PBBs / Pb BL BL Cd BL BL Cr Cr(VI) BL PBBs BL BL Cd BL BL Cr Cr(VI) BL PBBs IN	Cd BL / Hg BL / Cr Cr(VI) BL / Br PBBs BL / Pb BL / / Cd BL / / Hg BL / / Cr Cr(VI) BL / / PBBs / / / / / Pb BL / / / / / Cd BL /

Bis-(2-ethylhexyl) Phthalate (DEHP), Benzyl butyl Phthalate (BBP), Dibutyl Phthalate (DBP) and Diisobutyl Phthalate(DIBP)

Test Items	Result(mg/kg)				
rest items	1	2+5+7	3	8	
Bis-(2-ethylhexyl) Phthalate (DEHP)	N.D.	N.D.	N.D.	N.D.	
Benzyl butyl Phthalate (BBP)	N.D.	N.D.	N.D.	N.D.	
Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.	N.D.	
Diisobutyl Phthalate(DIBP)	N.D.	N.D.	N.D.	N.D.	
Conclusion	Pass	Pass	Pass	Pass	

LATIN C



Report No.: S24102203026001 Page 4 of 9

Note: 1.N.D. = Not Detected (<MDL)

MDL = Method Detection Limit 1mg/kg = 1ppm =0.0001%

/=Not Regulated or Not Applicable2. BL = Below the XRF screening limit

IN = Further chemical test will be conducted when the screening result inconclusive

OL = Further chemical test will be conducted while the result is above the screening limit.

3. For metal samples, the sample is negative for Cr(VI), if the Cr(VI) concentration is less than

0.10 µg/cm², the coating is considered a non- Cr(VI) based coating;

The sample is positive for Cr(VI), if the Cr(VI) concentration is greater than 0.13 µg/cm²,

The sample coating is considered to contain Cr(VI);

The result is considered to be inconclusive, the Cr(VI) concentration is between the

0.10 µg/cm² and 0.13 µg/cm², unavoidable coating variations may influence the determination.

Because the storage condition and production date of the sample are not known, the test results of the sample of hexavalent chromium can only represent the state of hexavalent

chromium in the samples tested.

Remark: 1. When conducting the test for PBBs&PBDEs, XRF was introduced to screen Br

Exclusively; When conducting the test for Hexavalent Chromium, XRF was introduced to

screen Chromium exclusively.

ATEL AND THE REAL PROPERTY OF THE PERSON OF

Shenzhen NTEK Testing Technology Co., Ltd. | Address: Building 1, 2, 11, 12, No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China | Tel: +86-0755-2320 0050 | http://www.ntek.org.cn



Report No.: S24102203026001 Page 5 of 9

Test Method:

1. With reference to IEC 62321-1: 2013 Ed.1.0, IEC 62321-2:2021 Ed.2.0, IEC 62321-3-1:2013 Ed.1.0. XRF screening limits in mg/kg for regulated elements in various matrices.

	Limit of IEC 62321-3-1:2013 Ed.1.0 (mg/kg)				
Element	Polymers	Metals	Composite material		
DI	BL≤(700-3σ) <x< td=""><td>BL≤(700-3σ) <x td="" 👗<=""><td>BL≤(500-3σ)<x< td=""></x<></td></x></td></x<>	BL≤(700-3σ) <x td="" 👗<=""><td>BL≤(500-3σ)<x< td=""></x<></td></x>	BL≤(500-3σ) <x< td=""></x<>		
Pb	<(1300+3σ)≤OL	<(1300+3σ)≤OL	<(1500+3σ)≤OL		
Cd	BL≤(70-3σ) <x <<="" td=""><td>BL≤(70-3σ)<x <<="" td=""><td>LOD <x<(150+3σ)< td=""></x<(150+3σ)<></td></x></td></x>	BL≤(70-3σ) <x <<="" td=""><td>LOD <x<(150+3σ)< td=""></x<(150+3σ)<></td></x>	LOD <x<(150+3σ)< td=""></x<(150+3σ)<>		
Cu	(130+3σ) ≤OL	(130+3σ) ≤OL	≤OL		
l la	BL≤(700-3σ) <x< td=""><td>BL≤(700-3σ)<x< td=""><td>BL≤(500-3σ)<x< td=""></x<></td></x<></td></x<>	BL≤(700-3σ) <x< td=""><td>BL≤(500-3σ)<x< td=""></x<></td></x<>	BL≤(500-3σ) <x< td=""></x<>		
Hg	<(1300+3σ)≤OL	<(1300+3σ)≤OL	<(1500+3σ)≤OL		
Cr	BL≤(700-3σ)< X	BL≤(700-3σ)< X	BL≤(500-3σ)< X		
Br	BL≤(300-3σ)< X	/	BL≤(250-3σ)< X		

BL= Below the XRF screening limit Note:

OL=Over the XRF screening limit

X=The symbol"X"marks the region where further investigation is necessary.

 3σ =The reproducibility of analytical instruments

LOD= Detection limit



Report No.: S24102203026001 Page 6 of 9

2. Chemical Test

	Test item	Test method	Test instrument	MDL	Limit△
	Lead (Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg	1000 mg/kg
	Cadmium (Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg	100 mg/kg
	Mercury (Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES	2 mg/kg	1000 mg/kg
	Hexavalent	IEC 62321-7-1:2015 Ed.1.0	UV-Vis	0.10 µg/cm ²	1000 mg/kg
	Chromium(Cr(VI))	IEC 62321-7-2:2017 Ed.1.0		8 mg/kg	
	Polybrominated Biphenyls(PBBs)	IEC 62321-6:2015 Ed.1.0	GC-MS	5 mg/kg	1000 mg/kg
	Polybrominated, Diphenyl Ethers(PBDEs)	IEC 62321-6:2015 Ed.1.0	GC-MS	5 mg/kg	1000 mg/kg
	Bis-(2-ethylhexyl) Phthalate (DEHP)	IEC 62321-8:2017 Ed.1.0	GC-MS	30 mg/kg	1000 mg/kg
	Benzyl butyl Phthalate (BBP)	IEC 62321-8:2017 Ed.1.0	GC-MS	30 mg/kg	1000 mg/kg
	Dibutyl Phthalate (DBP)	IEC 62321-8:2017 Ed.1.0	GC-MS	30 mg/kg	1000 mg/kg
-	Diisobutyl Phthalate (DIBP)	IEC 62321-8:2017 Ed.1.0	GC-MS	30 mg/kg	1000 mg/kg
	A	·			0044/07/57

^ΔThe limit is quoted from RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

K.Jijili Arrick J

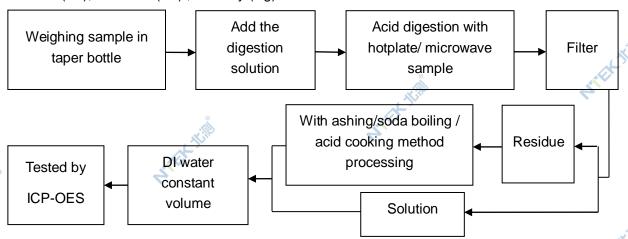
ANTER MIN



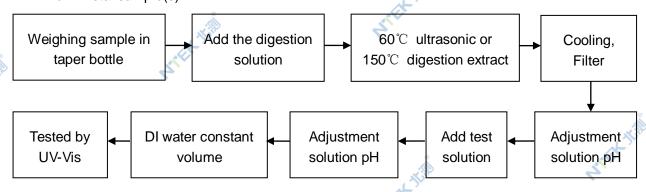
Report No.: S24102203026001 Page 7 of 9

Test Flow:

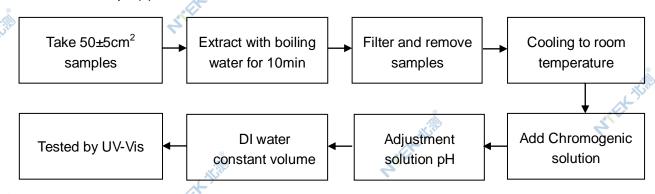
1. Lead(Pb), Cadmium(Cd), Mercury (Hg)



- 2. Hexavalent Chromium(Cr(VI))
- 2.1 Non- metal sample(s)



2.2 Metal sample(s)

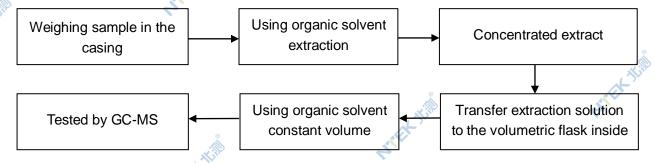




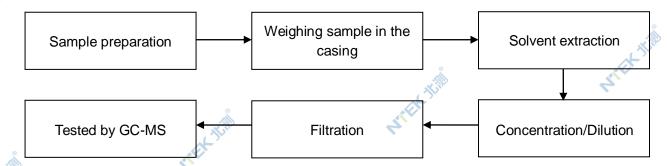
Report No.: S24102203026001

Page 8 of 9

3. PBBs/ PBDEs



4. Phthalates





Report No.: S24102203026001 Page 9 of 9

Sample photo(s):



Fig.1 (Finished photo)

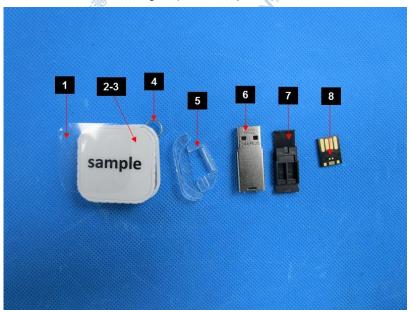


Fig.2

****End of Report****

The test results or data in this report will be used only for education, scientific research, enterprise product development and internal quality control or other purposes.

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of NTEK, this report can't be reproduced except in full.

Shenzhen NTEK Testing Technology Co., Ltd. | Address: Building 1, 2, 11, 12, No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China | Tel: +86-0755-2320 0050 | http://www.ntek.org.cn Complaint Tel: +86-0755-23218370 | Complaint E-mail: complaint@ntek.org.cn

ATEK TEN

KYEK Hill

ANTER MIN