



Page 1 of 10

TEST REPORT

Applicant: Address:

,STEK I

Flashbay Electronics 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:	Shift/SHI
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.:
 S241022030022

 Sample Received Date:
 2024-10-24

 Testing Period:
 2024-10-24~ 2024-11-08

Test Requirement:

Conclusion

Pass

AT EK TU

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.

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

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

Adalyn, Shen Mory Li

Reviewed by:

Luetta Mo

Compiled by:

Approved by:

Date:

2025-01-06



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Sample	Description:

Hill	No.	Sample name	Description	
all -	1		Silver metal shell of shell	
	2		Transparent plastic stopper of shell	
	3		Silver metal ring of shell	AL.
	4		Silver metal head of shell 👗	THE .
	5		White cotton thread of shell	4
	6	Å	Transparent plastic shell of shell	
	7	A Think	Black foam with glue of shell	
	8	USB Flash Drives	Silver metal shell of USB interface	
NTER JUN	9		Black plastic of USB interface	
	10		Silver metal pin of USB interface	
	11		Blue PCB of mainboard PCB	
	12		SMD chip of mainboard PCB	at
	13		Silver metal shell of type-c interface	- Str
	14		Gray plastic of type-c interface	
	15		Silver metal insert of type-c interface	
	16	at	Silver metal pin of type-c interface	

Test Result(s):

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

					romium (Cr(VI)), Polyb	rominated	
	Biphenyls (PBBs), I	Polybrominated	d Diphenyl Ethers(P	BDEs)		
	Part No.	Test Items		XRF Screening Result(mg/kg)	Chemical Test Result(mg/kg)	Conclusion	
			Pb 👗	BL	1		
			Cd	BL	1		
	4		Hg	BL	/	Data	
	1	Cr	Cr(VI)	BL	/	Pass	
		Br	PBBs	1	/		
			PBDEs	1	/		
	2		Pb	BL	/	X	
			Cd	BL	<u></u> /	- Arth	
			Hg	BL	at n 1		
		Cr	Cr(VI)	BL		Pass	
®		Br	PBBs	Ы	/		
			PBDEs	BL	/		
			Pb	BL	/		
	3		Cd	BL	/		
			Hg	BL	/	Pass 🙏	
		Cr	Cr(VI)	BL	<u>⊚</u> /	r doo	
		Br	PBBs	/		4	
		Br	PBDEs	7			



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	NTE	EK	北测®		WTEX TIN	ANTER ST		
	Report No.:	S241022	203021001		A.	Page 3 of 10		
®			Pb	BL	/			
ATTER HIM			Cd	BL	/			
ALL .	4		Hg	BL	/	Deee		
4.	4	Cr	Cr(VI)	BL	/	– Pass		
		Br	PBBs	/	/	a Kin		
		Ы	PBDEs	1	<u> </u>	A CONTRACTOR OF A CONTRACTOR A CONTRACT		
			Pb	BL	A Mar 1			
			Cd 🔬	BL				
	5		Hg	BL	/	Pass		
ANTEK TIM	5	Cr	Cr(VI)	BL	/	1 033		
A This		Br	PBBs	BL	/			
STE		Ы	PBDEs	DL	/			
			Pb	BL	/			
			Cd	BL	/	- MITEK Sill		
	6		Hg	BL	<u> </u>	Pass		
	0	Cr	Cr(VI)	BL		F 035		
		Br	PBBs	BL				
®		Ы	PBDEs	DL	/			
WTEK HIM			Pb	BL	/			
et '	7	7			Cd	BL	/	
45				Hg	BL	/	– Pass 👗	
	1	Cr	Cr(VI)	BL	/	r ass		
		Br	PBBs	BL				
		Ы	PBDEs	DL	ALIN 1	4		
			Pb	BL				
			Cd Sille	BL				
ANTER TEN	8		Hg	BL	/	Pass		
Hill	0	Cr	Cr(VI)	BL	/	F 455		
A COL		Br	PBBs	/	/			
4		Ы	PBDEs	1	/			
			Pb	BL	/	A Sur		
			Cd	BL	<u> </u>	J'E		
	9 Hg	Hg	BL	A Sur 1	Pass			
	9	Gr Cr(VI) BL	BL		F 455			
		Dr	PBBs	BL	/			
WTEK Hill		Br	PBDEs	DL	/			
A			Pb	BL	/			
J'I'E			Cd	BL	/	6		
			Hg	BL	/	Doon		
	10	Cr	Cr(VI)	BL		– Pass		
		Dr	PBBs	1		45		
		Br	PBDEs	/				
L	-	-				·		



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	NTE	EK	北测 [®]		NTEX TIN	WIEC		
R	eport No.:	S24102	203021001		ALL.	Page 4 of 10		
WTEX III			Pb Cd	BL BL	/	_		
at '			Hg	BL	/			
-21	11	Cr	Cr(VI)	BL	/	– Pass		
		Br	PBBs PBDEs	IN	N.D.			
			Pb	BL				
			Cd 👗	BL		_		
			Hg L ^{Yin}	BL		_		
©	12	Cr	Cr(VI)	BL	/	Pass		
ANTER ITIN		Br	PBBs PBDEs	BL		_		
			Pb	BL				
			Cd	BL	/	- Dans Mitter		
			Hg	BL	, /	- ATTEN		
	13	13	13 Cr	Cr(VI)	IN	N.D.	Pass	
				PBBs			_	
		Br	PBDEs	/	/			
ATTER HIM			Pb	BL	/			
at se	14	14			Cd	BL	/	
L'						Hg	BL	/
			Cr	Cr(VI)	BL	/	– Pass	
			Br	PBBs PBDEs	BL		- NIEL	
			Pb 🙎	BL				
			Cd	BL				
8			Hg	BL				
Kill	15	Cr	Cr(VI)	IN	N.D.	Pass		
ATER HIM			PBBs		/			
4		Br	PBDEs	/	/			
			Pb	BL	/			
			Cd	BL	<u> </u>			
			Hg	BL	A Yeit /			
	16	Cr	Cr(VI)	BL		– Pass		
		Br	PBBs PBDEs	/		-		
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Bis-(2-ethylhexyl) Phthalate (DEHP), Benzyl butyl Phthalate (BBP), Dibutyl Phthalate (DBP) and Diisobutyl Phthalate(DIBP)

Test Items	Result(mg/kg)				
Test items	2+6+9+14	5	7	11	
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	

Note:

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

MDL = Method Detection Limit

1mg/kg = 1ppm =0.0001%

/=Not Regulated or Not Applicable

2. BL = Below the XRF screening limit

with the

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 μ g/cm², The sample coating is considered to contain Cr(VI);

The result is considered to be inconclusive, the Cr(VI) concentration is between the $0.10 \ \mu g/cm^2$ and $0.13 \ \mu g/cm^2$, 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.

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Remark:

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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.



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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.

		0 00 0					
4	Element	Limit of IEC 62321-3-1:2013 Ed.1.0 (mg/kg)					
		Polymers	Metals	Composite material			
	D	BL≤(700-3σ) <x< th=""><th>BL≤(700-3σ) <x< th=""><th>BL≤(500-3σ)<Χ</th></x<></th></x<>	BL≤(700-3σ) <x< th=""><th>BL≤(500-3σ)<Χ</th></x<>	BL≤(500-3σ)<Χ			
	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)<>			
MTHAN HIS		(130+3σ) ≤OL	(130+3σ) ≤OL	≤OL			
	Hg	BL≤(700-3σ)<Χ	BL≤(700-3σ)<Χ	BL≤(500-3σ)<Χ			
		<(1300+3σ)≤OL	<(1300+3σ)≤OL	<(1500+3σ)≤OL			
STE	Cr	BL≤(700-3σ)< X	BL≤(700-3σ)< X	BL≤(500-3σ)< X			
	Br	BL≤(300-3σ)< X	/	BL≤(250-3σ)< X			
			A STA	MIEL.			

Note:

BL= Below the XRF screening limit

OL=Over the XRF screening limit

NTEKTIN

NTEK TIM

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

 3σ =The reproducibility of analytical instruments



NTEK Tim

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NIEK

LOD= Detection limit



2. Chemical Test

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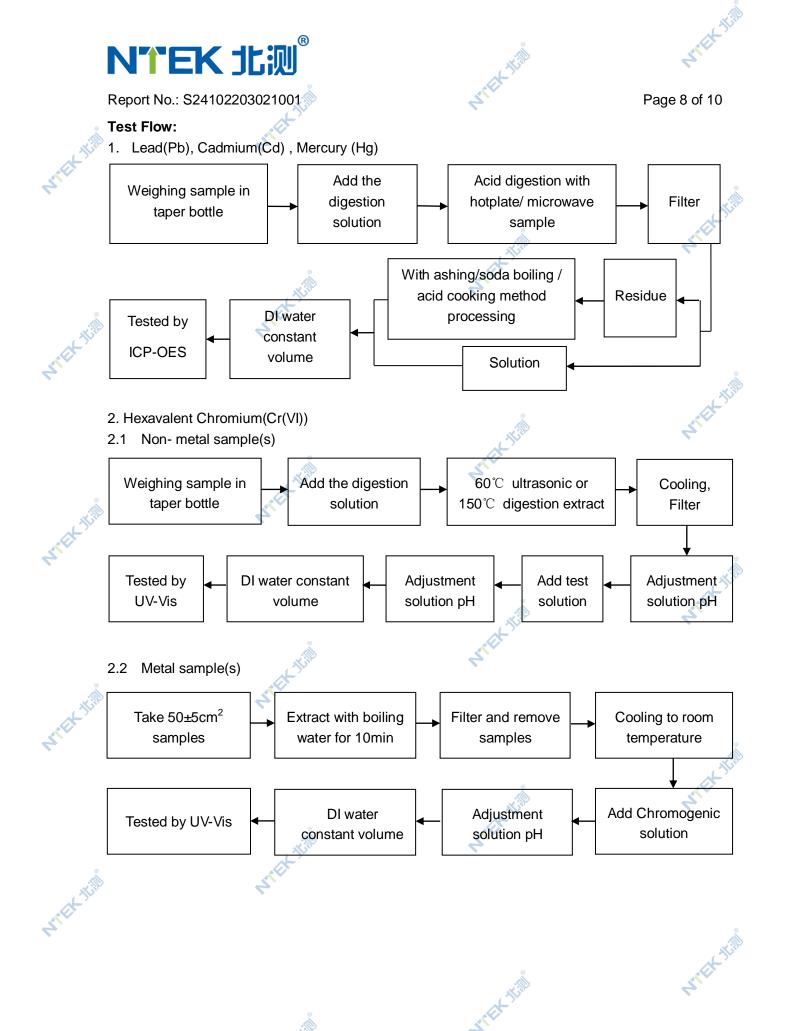
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TEK Trill	Test item	Test method	Test instrument	MDL	Limit△
4	Lead (Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg	1000 mg/kg
	Cadmium (Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg	100 mg/kg
	Mercury (Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES	2 mg/kg	1000 mg/kg
	Hexavalent	IEC 62321-7-1:2015 Ed.1.0	UV-Vis	0.10 µg/cm ²	1000 mg///g
	Chromium(Cr(VI))	IEC 62321-7-2:2017 Ed.1.0		8 mg/kg	1000 mg/kg
	Polybrominated Biphenyls(PBBs)	EC 62321-6:2015 Ed.1.0	GC-MS	5 mg/kg	1000 mg/kg
ATTER TU	Polybrominated, Diphenyl Ethers(PBDEs)	Diphenyl IEC 62321-6:2015 Ed.1.0		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
TEX TIM	Dibutyl Phthalate (DBP)	EC 62321-8:2017 Ed.1.0	GC-MS	30 mg/kg	1000 mg/kg
NTEK,	Diisobutyl Phthalate (DIBP)		GC-MS	30 mg/kg	1000 mg/kg
	^A The limit is quoted	from RoHS Directive (EU) 2015/863	amending Anne	ex II to Directive	2011/65/EU.
			A STIN		ATTE:

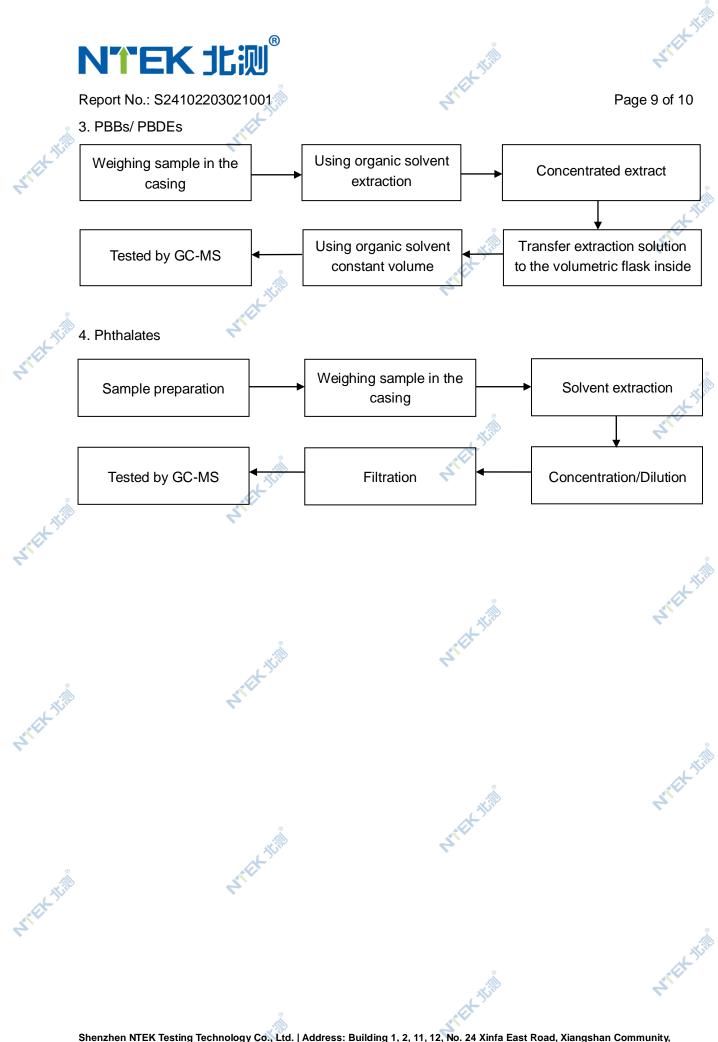
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NTEK W



WTEK TIN

ANTEK TIN

NTEK TIN

NTEK TIM

NIEK



NTEK III

NTEK TE

NTEK II

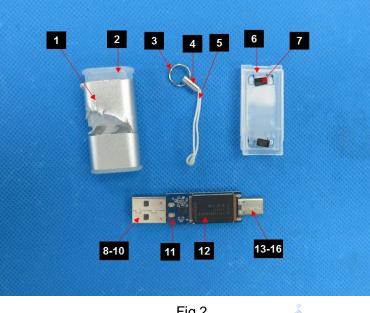
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Sample photo(s):



Fig.1 Finished photo





****End of Report****

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