



Page 1 of 10

## **TEST REPORT**

Applicant: Address:

STEKT

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:	Classic/CS
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.:
 S241022030005

 Sample Received Date:
 2024-10-24

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

#### **Test Requirement:**

Conclusion

Pass

ATTEK 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);

Reviewed by:

Luetta Mo

Compiled by:

Approved by:

Date:

2024-11-12

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





Page 2 of 10

WTEX W

#### Sample Description:

Hill	No.	Sample name	Description	
et.	1		Silver metal shell of shell	
	2		Blue transparent plastic shell of shell	
	3		White double-sided adhesive of shell	
	4	USB Flash Drives	Silver metal ring of shell 👗	1 CT
	5		Black plastic shell of USB interface	4
	6		Silver metal shell of USB interface	
	7		Black PCB of USB interface	
	8		Yellow FPC of USB interface	

#### Test Result(s):

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

			I Diphenyl Ethers(P XRF Screening	Chemical Test	
Part No.	Part No. Tes	st Items	Result(mg/kg)	Result(mg/kg)	Conclusion
		Pb	BL	/	
1		Cd	BL	/	
1		Hg	BL	/	Pass
I	Cr	Cr(VI)	BL	/	1 435
	Br	PBBs	/	/	
		PBDEs Pb	BL		2
		Cd	BL		
0		Hg	BL	× /	Dava
2	Cr	Cr(VI)	BL	/	Pass
	Br	PBBs	BL	/	-
		PBDEs		/	
		Pb	BL	/	-
		Cd	BL	/	-
3		Hg	BL	/	Pass
U	Cr	Cr(VI)	BL	Jun 1	1 400
	Br	PBBs PBDEs	BL		
		Pb	BL	/	
4		Cd	BL	/	-
		Hg	BL	/	Pass
4	Cr	Cr(VI)	IN	N.D.	rass
	Br	PBBs	/	/	
		PBDEs	1	<u> </u>	L 3

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 NTEK Trill





NTEX TIM

	NTE	EK J	L测 <sup>®</sup>		ATTEK IT	ATEL
	Report No.:	S2410220	3004001		ATTE .	Page 3 of 10
6			Pb	BL	/	
NTEKT			Cd	BL	/	
	F		Hg	BL	/	Deee
4.	5	Cr	Cr(VI)	BL	/	– Pass
		Br	PBBs PBDEs	BL		- ret
			Pb	BL	A State	4
	-		Cd 👗	BL		
	6		Hg L	BL	/	– Pass
	0	Cr	Cr(VI)	BL	/	Pass
WTEX TIN	×	Br	PBBs	_ /	/	
SIL			Ы	PBDEs		/
	7		Pb	BL	/	
			Cd	BL	/	- Dear Artick Still
			Hg	BL		– Pass
		Cr	Cr(VI)	BL		
		Br	PBBs	IN	N.D.	
NTEK TH			PBDEs		N.D.	
	8		Pb	BL	/	_
			Cd	BL	/	_
			Hg	BL	/	– Pass 👗
	F	Cr	Cr(VI)	BL		- Alin
		Br	PBBs PBDEs	BL		- site
			PBDES			

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

12

NTEX.	Test Items	Result(mg/kg)			
4	Test items	2+5 3	3	7	8
	Bis-(2-ethylhexyl) Phthalate (DEHP)	N.D.	70	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
AL STATE	- Str				
JTEK TI					
4.					

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 NTEK Til

### NTEK 北测<sup>®</sup>

Report No.: S24102203004001

- 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

WTEK Tim

NTEK TEN

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/cm<sup>2</sup>, the coating is considered a non- Cr(VI) based coating;

ATEK Til

WIEKT

NTEK TE

NTEK TE

Page 4 of 10

The sample is positive for Cr(VI), if the Cr(VI) concentration is greater than 0.13  $\mu$ g/cm<sup>2</sup>, 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.

WIELI

WTEK TU

#### Remark:

NTEKT

NTEX TE

NTEK TE

AT EK TE

NIEK

k: 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.





# ANTER HIS

FEK TI

NTERIT

WIELT



NTEKT

NTEK TU

NTEK TE

ANTEK TEN

#### **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		
AT HEL THIN	Pb	BL≤(700-3σ) <x< th=""><th>BL≤(700-3σ) <x< th=""><th>BL≤(500-3σ)&lt;Χ</th></x<></th></x<>	BL≤(700-3σ) <x< th=""><th>BL≤(500-3σ)&lt;Χ</th></x<>	BL≤(500-3σ)<Χ		
		<(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)<>		
		(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		
	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.
- $3\sigma$  =The reproducibility of analytical instruments



NTEK TIM

NTEK TIN

NIEK

LOD= Detection limit

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



2. Chemical Test

©

writek Hill

WTEK TIN

NT EK TEIN

ATTER JUN

RYTEK TIN

NTEKT

#### Page 6 of 10

ATEK HIN

with The

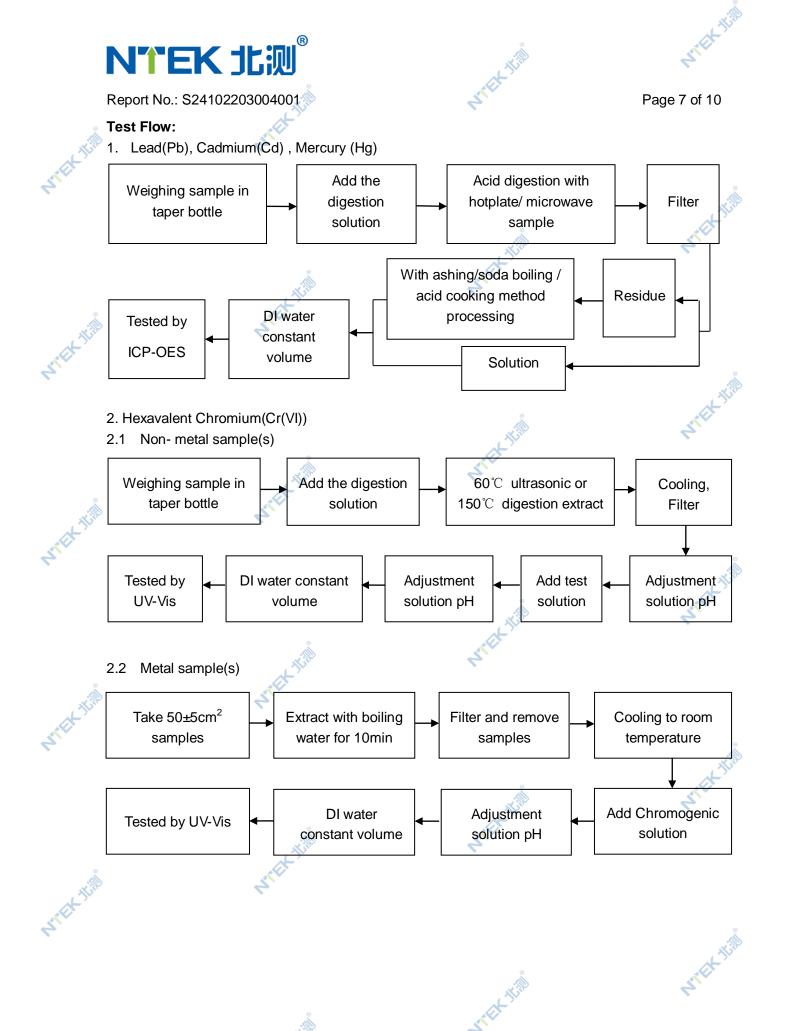
RATER HIN

TEX His	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 <sup>2</sup>	1000 mg/kg	
	Chromium(Cr(VI))	IEC 62321-7-2:2017 Ed.1.0		8 mg/kg	1000 mg/kg	
ANTER TIM	Polybrominated Biphenyls(PBBs)		GC-MS	5 mg/kg	1000 mg/kg	
	Polybrominated, Diphenyl IEC 62321-6:2015 Ed.1.0 Ethers(PBDEs)		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	
TEX TUN	Dibutyl Phthalate (DBP)	EC 62321-8:2017 Ed.1.0	GC-MS	30 mg/kg	1000 mg/kg	
AN'EK	Diisobutyl Phthalate (DIBP)		GC-MS	30 mg/kg	1000 mg/kg	
	<sup>A</sup> The limit is quoted from RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.					
			AT THE		AN <sup>TER</sup>	

NTEK T

RATER JUI

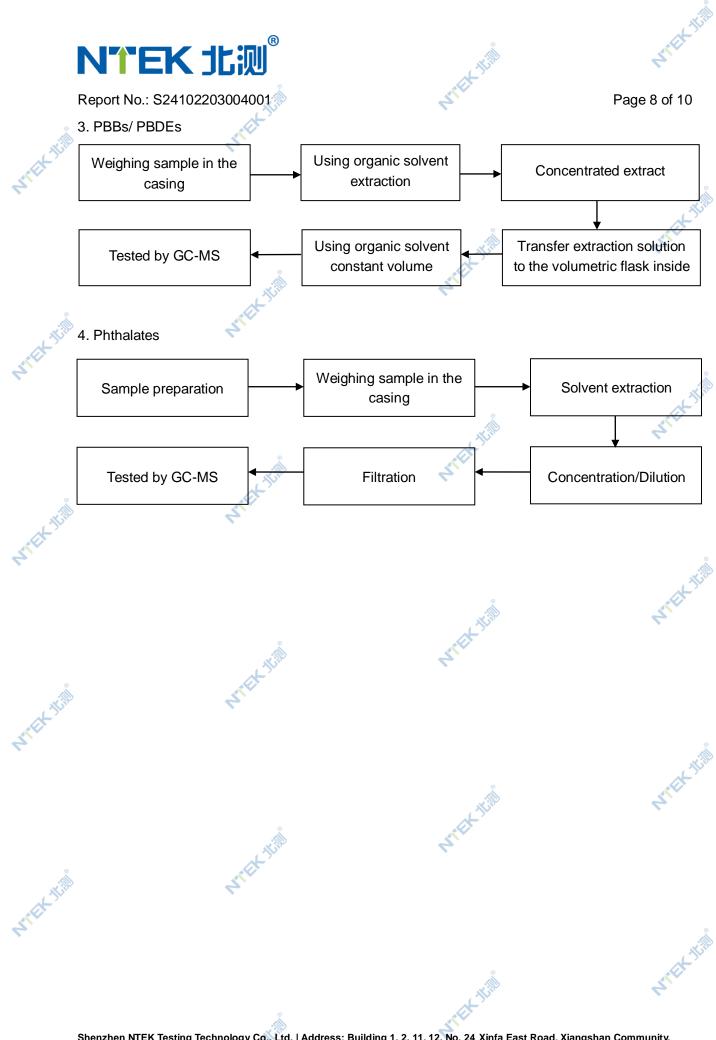
Shenzhen NTEK Testing Technology Co., Ltd. | Address: Building 1, 2, 11, 12, No. 24 Xinfa East Road, Xiangshan Community, Xingiao Street, Bao'an District, Shenzhen, Guangdong, China | Tel: +86-0755-2320 0050 | http://www.ntek.org.cn Complaint Tel: +86-0755-23218370 | Complaint E-mail: complaint@ntek.org.cn



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

6-0755-23218370 | Complaint E-mail: comp

NIEX



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

NTEK W



WTEX TIN

WTEK HI

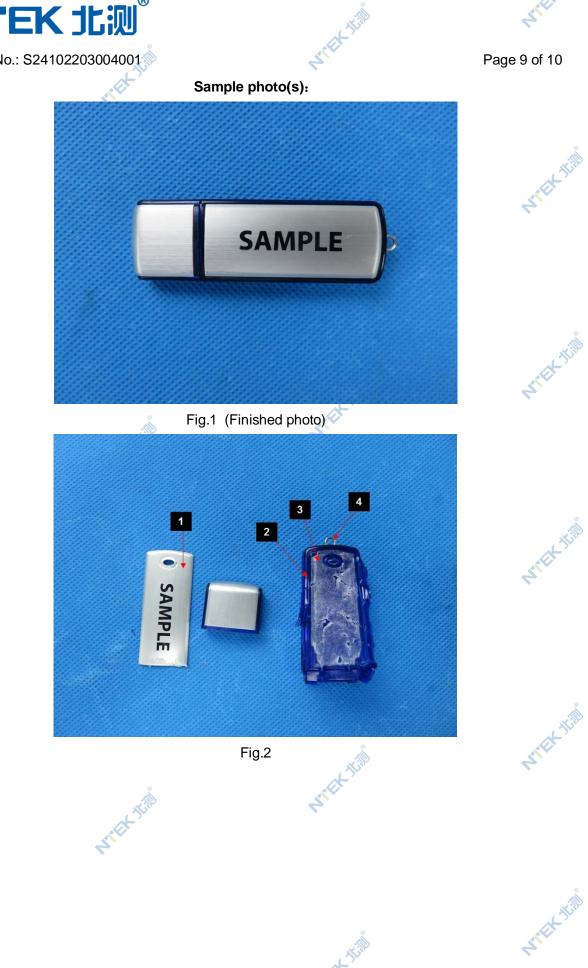
WTEK TIN

RATER JUN

ANTEK TEIN



Page 9 of 10



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 ANTER HIM



NTEK TIN

WTEK TIN

ANTEK TIM

NTEK Tim



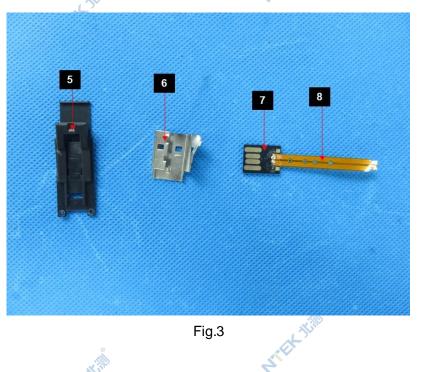
ATEK JU

ANTEK TEN

WTEKT

ANTER TIM

#### Page 10 of 10



#### \*\*\*\*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.

ANTER JUI

ANTEK TIM

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.

NTEK TE

