



Page 1 of 8

## **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:	Twister/TW
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.:
 S241022030025

 Sample Received Date:
 2024-10-24

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

## Test Requirement:

Conclusion

Pass

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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





Page 2 of 8

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## Sample Description:

No.	Sample name	Description	
1		Silver metal shell of shell	
2		Black plastic shell of shell	
3	USB Flash Drive	Black plastic frame of USB interface	1 CT
4		Silver metal shell of USB interface	4
5		Black PCB of USB interface	

## Test Result(s):

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

	Part No.	Tes	st Items	XRF Screening Result(mg/kg)	Chemical Test Result(mg/kg)	Conclusion	
			Pb 。	BL	/		
	-		Cd 🔊	BL	/		
6	1		Hg	BL	/	Pass	
	I	Cr	Cr(VI)	IN	N.D.	F d 5 5	
		Br	PBBs	/	/		
		Ы	PBDEs	1	/		
	-		Pb	BL	/		
	-		Cd	BL	/	a de la companya de la	
	2		Hg	BL	/	Pass	
	2	Cr	Cr(VI)	BL		F 055	
			Br	PBBs	BL	<b>1</b>	
<u></u>		2.	PBDEs		/		
°     -	-		Pb	BL	/		
			Cd	BL	/		
	3		Hg	BL	/	Pass	
	0	Cr	Cr(VI)	BL	/	1 435	
			Br	PBBs	BL	<u> </u>	- SIV
		Ы	PBDEs			· · · ·	
	_		Pb	BL	/		
0			Cd	BL	/		
	4		Hg	BL	/	Pass	
	-	Cr	Cr(VI)	BL	/	1 000	
		Br	PBBs	/	/		
		וט	PBDEs	1	/		





Page 3 of 8

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Hill		Pb		BL	/	
with			Cd	BL	/	
	F		Hg	BL	/	Daga
	5	Cr	Cr(VI)	BL	/	- Pass
		Dr	PBBs	INI	N.D.	A CONTRACT OF A
		Br	PBDEs	IN	N.D.	4
			6	·	ALC: NOT	

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

Test Items	Result	(mg/kg)
Test tierns	2+3	5
Bis-(2-ethylhexyl) Phthalate (DEHP)	N.D.	N.D.
Benzyl butyl Phthalate (BBP)	N.D.	N.D. 💉
Dibutyl Phthalate (DBP)	N.D.	N.D.
Diisobutyl Phthalate(DIBP)	N.D. <	N.D.
Conclusion	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

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;

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.

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.



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Page 4 of 8

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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.

		3 3 3 3 3		-		
4	Element	Limit of IEC 62321-3-1:2013 Ed.1.0 (mg/kg)				
		Polymers	Metals	Composite material		
	Pb	BL≤(700-3σ) <x< td=""><td>BL≤(700-3σ) <x< td=""><td>BL≤(500-3σ)&lt;Χ</td></x<></td></x<>	BL≤(700-3σ) <x< td=""><td>BL≤(500-3σ)&lt;Χ</td></x<>	BL≤(500-3σ)<Χ		
		<(1300+3σ)≤OL	<(1300+3σ)≤OL	<(1500+3σ)≤OL		
	Cd	BL≤(70-3σ) <x <<="" td=""><td>BL≤(70-3σ)&lt;Χ &lt;</td><td>LOD <x<(150+3σ)< td=""></x<(150+3σ)<></td></x>	BL≤(70-3σ)<Χ <	LOD <x<(150+3σ)< td=""></x<(150+3σ)<>		
WIELTE		(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		
			, second s	NYTEK.		

Note:

BL= Below the XRF screening limit

OL=Over the XRF screening limit

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

 $3\sigma$  =The reproducibility of analytical instruments



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LOD= Detection limit



2. Chemical Test

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## Page 5 of 8

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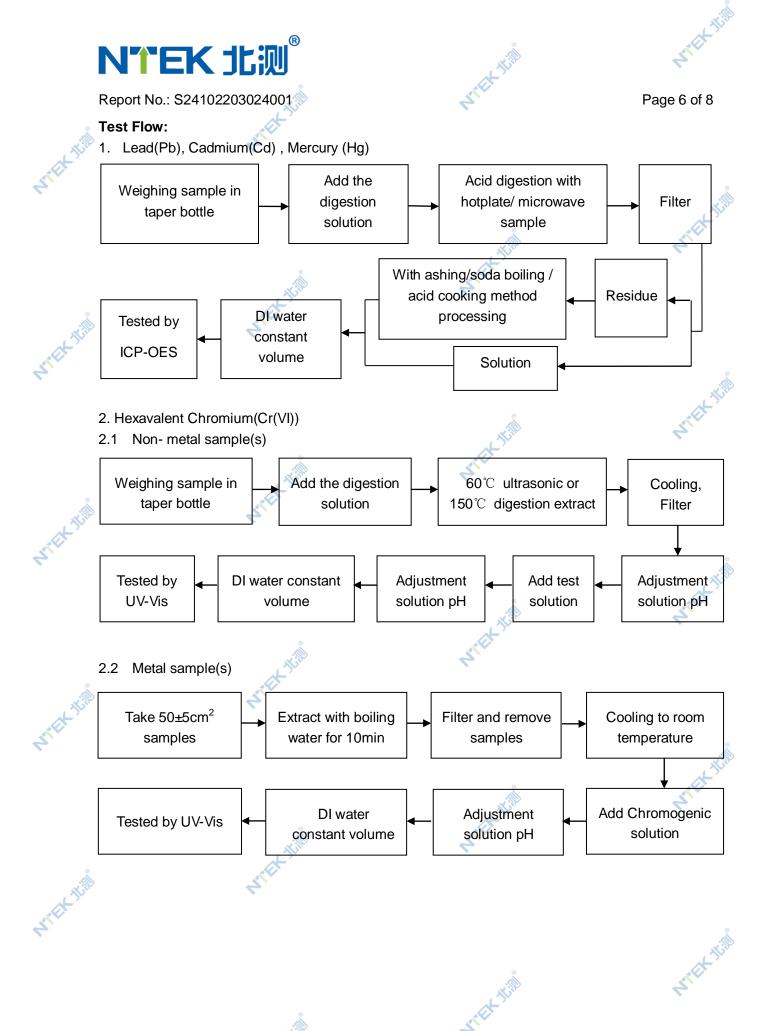
- All All All All All All All All All Al						
THE THE	Test item	Test method	Test instrument	MDL	Limit△	
4	Lead (Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg	1000 mg/kg	
	Cadmium (Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg	100 mg/kg	
	Mercury (Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES	2 mg/kg	1000 mg/kg	
	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	
K.	Polybrominated Biphenyls(PBBs)	IEC 62321-6:2015 Ed.1.0	GC-MS	5 mg/kg	1000 mg/kg	
RATER SU	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	
TEX TIM	Dibutyl Phthalate (DBP)	EC 62321-8:2017 Ed.1.0	GC-MS	30 mg/kg	1000 mg/kg	
ATEK,	Diisobutyl Phthalate (DIBP)	IEC 62321-8:2017 Ed.1.0	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.					
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		A TIN	WIEL			

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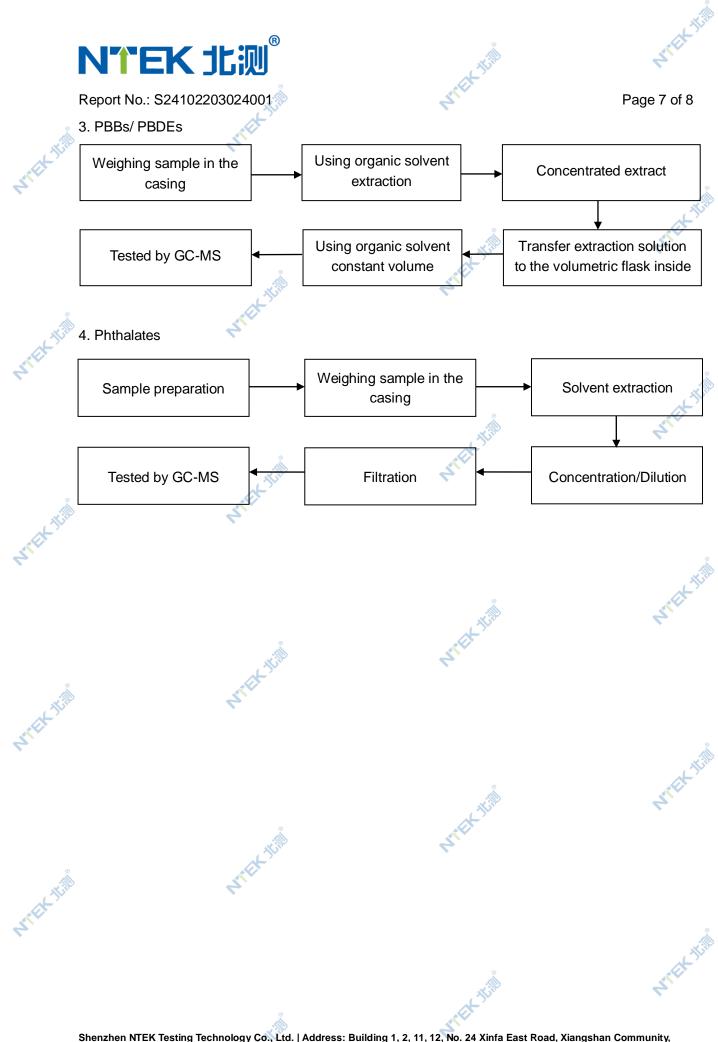
Shenzhen NTEK Testing Technology Co., Ltd. | Address: Building 1, 2, 11, 12, No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China | Tel: +86-0755-2320 0050 | <u>http://www.ntek.org.cn</u> Complaint Tel: +86-0755-23218370 | Complaint E-mail: complaint@ntek.org.cn

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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 | <u>http://www.ntek.org.cn</u> Complaint Tel: +86-0755-23218370 | Complaint E-mail: complaint@ntek.org.cn

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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 | <u>http://www.ntek.org.cn</u> Complaint Tel: +86-0755-23218370 | Complaint E-mail: complaint@ntek.org.cn

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Sample photo(s):

Page 8 of 8





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

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