



Page 1 of 10

TEST REPORT

Applicant: Address:

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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:	Alloy/AY
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.:
 S241022030003

 Sample Received Date:
 2024-10-24

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

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

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

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

Zane.l Compiled by:

Reviewed by:

Approved by:

Date:

Luetta Mo

2024-11-12

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Sample Description:

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No.	Sample name	Description	
1		Silver metal shell of shell	
2		Black foam glue of shell	
3	LICD Fleeb Drives	Gray plastic plate of shell	
4	USB Flash Drives	Cupreous metal clasp of shell	R.C.
5		Silver metal rod of shell	4
6		Black PCB	

Test Result(s):

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

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	Dort No.	Та	thoma	XRF Screening	Chemical Test	Conclusion			
	Part No.	Part No. Test Items		Result(mg/kg)	Result(mg/kg)	Conclusion			
			Pb	BL					
			Cd , 🔊	BL	<u> </u>				
	1		Hg 🙏	BL	/	Deee			
Till	I	Cr	Cr(VI)	BL	/	Pass			
<u>.</u>		D	PBBs	1	/				
		Br	PBDEs	/	/				
			Pb	BL	/				
			Cd	BL					
	0		Hg	BL					
	2	Cr	Cr(VI)	BL		Pass			
		Br PBBs PBDEs	PBBs	DI DI	× 1	1			
®			BL	/					
Li ^m	-		Pb	BL	/				
				Cd	BL	/			
Till	0		Hg	BL	/	Dasa			
	3	Cr	Cr(VI)	BL	/	Pass			
		-		D.,	PBBs	DI	<u> </u>		
		Br PBDEs BL	Jun /	4					
			Pb 👗	BL	1				
	4		-	-		Cd	BL	/	
				Hg	BL	/	Dava		
Kill		Cr	Cr(VI)	BL	/	Pass			
Tim		D.,	PBBs	1	/				
		Br	PBDEs	/	/				

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			Lin [®]		TEX TIN	
R	eport No.:	S2410220	3002001		4	Page 3 of 10
8			Pb	BL	/	
WTEK HI			Cd	BL	/	
ALL	5		Hg	BL	/	Pass
4.	5	Cr	Cr(VI)	IN	N.D.	Pass
		Br	PBBs	1	/	
		DI	PBDEs /	<u> </u>		
			Pb	BL	Jun 1	
	6		Cd 👗	BL		
			Hg	BL	1	Pass
NTER JUN		Cr	Cr(VI)	BL	/	1 233
A Mr.	Br PBBs PBDEs	- IN	N.D.			
STR		Ы	PBDEs	IIN	N.D.	99

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

WIEKS	Toot Homo	Result(mg/kg)		
	Test Items	2	3	6
	Bis-(2-ethylhexyl) Phthalate (DEHP)	N.D.	N.D.	N.D.
	Benzyl butyl Phthalate (BBP)	N.D.	N.D.	N.D.
	Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.
	Diisobutyl Phthalate(DIBP)	N.D.	N.D.	N.D.
	Conclusion	Pass	Pass	Pass
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1.N.D. = Not Detected (<MDL) MDL = Method Detection Limit

1 mg/kg = 1 ppm = 0.0001%

/=Not Regulated or Not Applicable

2. BL = Below the XRF screening limit

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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 $0.10 \ \mu\text{g/cm}^2$ and $0.13 \ \mu\text{g/cm}^2$, 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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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.

4.	Element	Limit of IEC 62321-3-1:2013 Ed.1.0 (mg/kg)				
	Element	Polymers	Metals	Composite material		
		BL≤(700-3σ) <Χ	BL≤(700-3σ) <x< td=""><td>BL≤(500-3σ)<Χ</td></x<>	BL≤(500-3σ)<Χ		
	Pb	<(1300+3σ)≤OL	<(1300+3σ)≤OL	<(1500+3σ)≤OL		
WTEX TIM	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)<>		
	Ca	(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		
				ATTEL		

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.

 3σ =The reproducibility of analytical instruments

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LOD= Detection limit

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2. Chemical Test

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TEL YES	Test item	Test method	Test instrument	MDL	Limit△	
45	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	1000 mg/kg	
	Polybrominated Biphenyls(PBBs)	EC 62321-6:2015 Ed.1.0	GC-MS	5 mg/kg	1000 mg/kg	
ANTEK N	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	
N'EK.	Diisobutyl Phthalate (DIBP)	IEC 62321-8:2017 Ed.1.0	GC-MS	30 mg/kg	1000 mg/kg	
	^A The limit is quoted from RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.					
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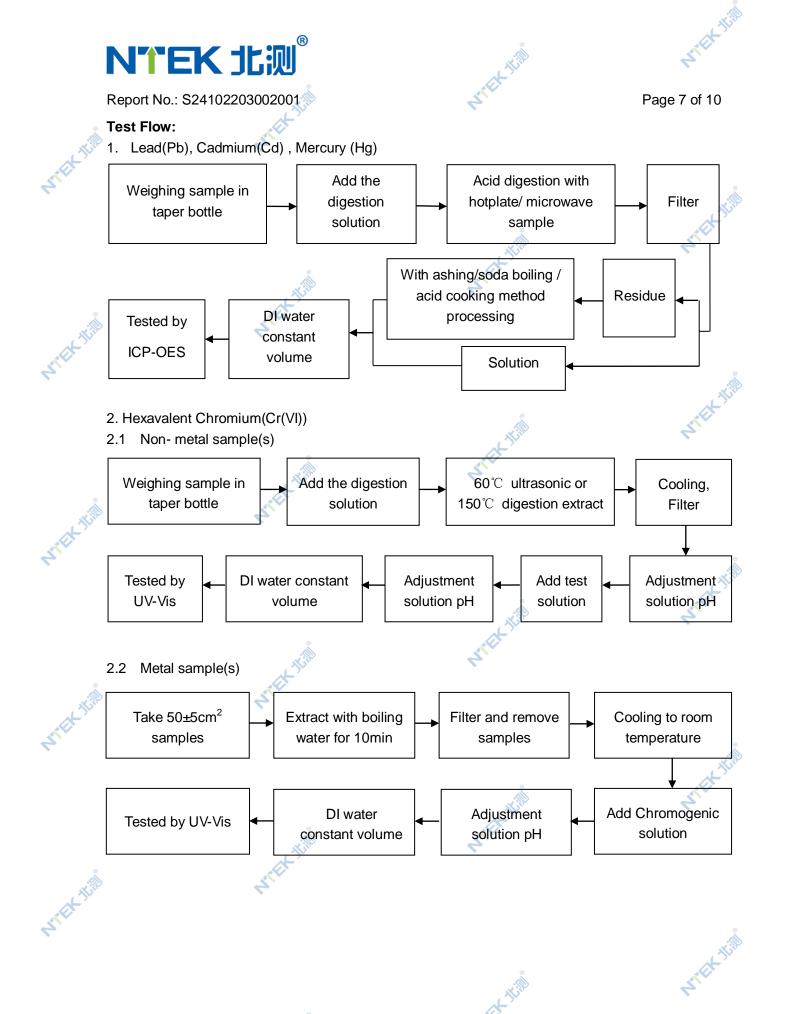
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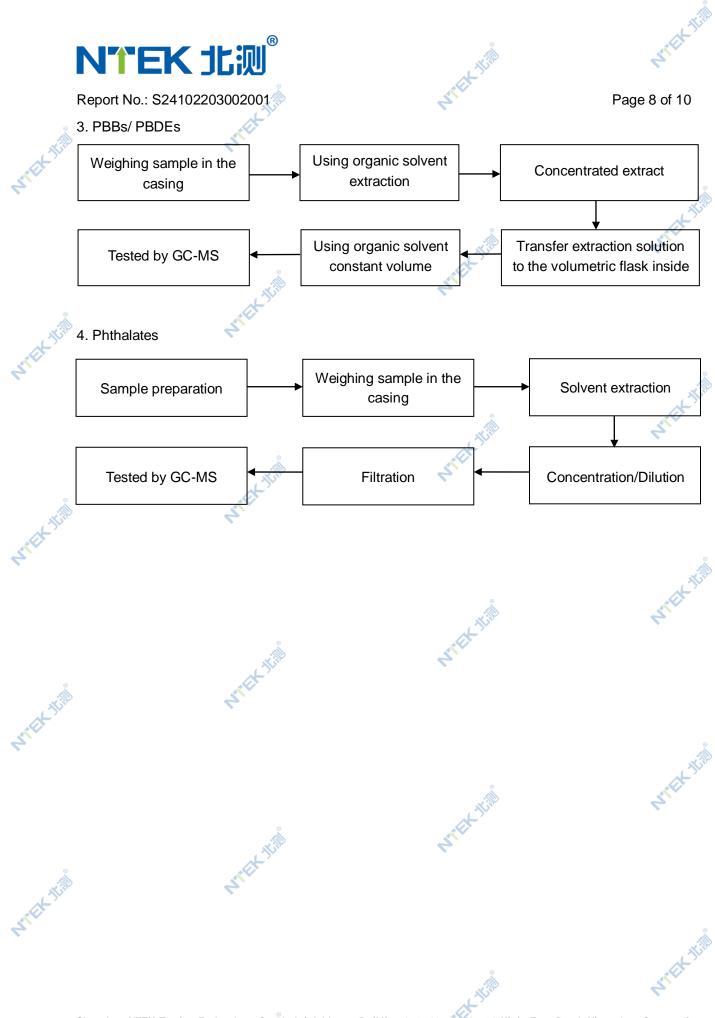
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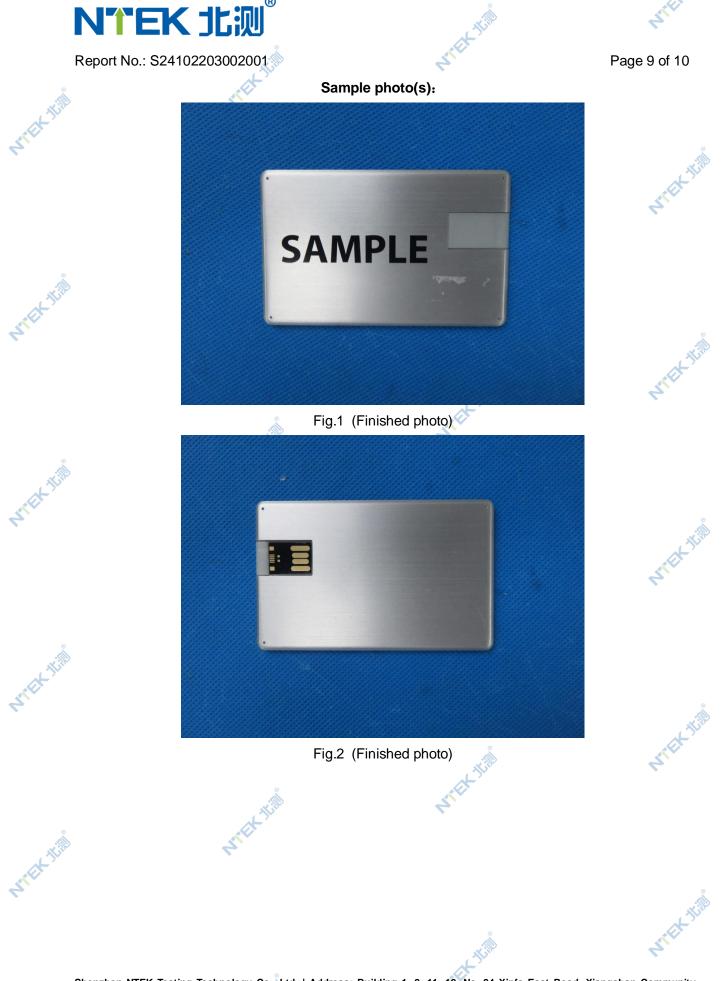


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