



Page 1 of 9

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:	Nox/NX
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.: S241022030017 2024-10-24 Sample Received Date: **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);

Adalyn, Shen. Mory Li

Reviewed by:

Approved by:

Compiled by:

Date:

2024-11-12

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Sample Description:

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		Description	
1		Silver metal cover of shell	
2		Silver metal of shell	
3		Black plastic of shell	
4	USB Flash Drives	Black rubber ring of shell	R.C.
5		Silver metal shell of USB interface	6
6		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)

	Part No.	Too	st Items	XRF Screening	Chemical Test	Conclusion	
	Tarrio.			Result(mg/kg)	Result(mg/kg)	Conclusion	
			Pb	BL			
			Cd , 🔌	BL			
	4		Hg 🔶	BL	/	Dees	
- Yill	1	Cr	Cr(VI)	BL	/	Pass	
<u></u>		6	PBBs	1	/	-	
		Br	PBDEs	_ /	/	-	
			Pb	BL	/		
			Cd	BL		NTEK.	
			Hg	BL	1		
	2	Cr	Cr(VI)	BL		Pass	
			PBBs	,	/	-	
®		Br	PBDEs	/	/	-	
Nill.	3		Pb	BL	/	-	
		-		Cd	BL	/	-
Hill			Hg	BL	/		
		Cr	Cr(VI)	BL	/	Pass	
		-		PBBs		<u> </u>	
		Br PBDEs BL	BL	(Mile /			
			Pb 👗	BL			
	4		Cd (BL	/	-	
©			Hg	BL	/		
Hille		Cr	Cr(VI)	BL	/	Pass	
			PBBs		/	-	
K Trill		Br	PBDEs	BL	/	-	

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	Report No.:		8		NTE:	Page 3 of 9		
6			Pb	BL	/			
NTEK TIM			Cd	BL	/			
ALL ALL	5		Hg	BL	/	Pass		
4.	Э	Cr	Cr(VI)	BL	/	- Pass		
		Br	PBBs	/	/	A Lin		
			PBDEs		<u> </u>			
	6	6			Pb	BL	L'Ilin /	~
				Cd 🔬	BL			
				Hg	BL	/	Pass	
		Cr	Cr(VI)	BL	/	F d S S		
ATTEX TIM		Br	PBBs	INI	N.D.			
STR.		DI	Br IN PBDEs IN	N.D.				

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

	Test here	Result(mg/kg)			
	Test Items	3	4	6	
AL IN	Bis-(2-ethylhexyl) Phthalate (DEHP)	N.D.	N.D.	N.D.	
WIELS	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 💉	
			1 Till	4	
	**************************************		STEEL		

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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

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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 $\mu q/cm^2$, 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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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.

		9 9 9 9		
4.	Element	Limit	of IEC 62321-3-1:2013 Ed.1.0	(mg/kg)
	Element	Polymers	Metals	Composite material
	Pb	BL≤(700-3σ) <Χ	BL≤(700-3σ) <Χ	BL≤(500-3σ)<Χ
		<(1300+3σ)≤OL	<(1300+3σ)≤OL	<(1500+3σ)≤OL
ATTER HIM	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
			, since the 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.
- 3σ =The reproducibility of analytical instruments



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LOD= Detection limit

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2. Chemical Test

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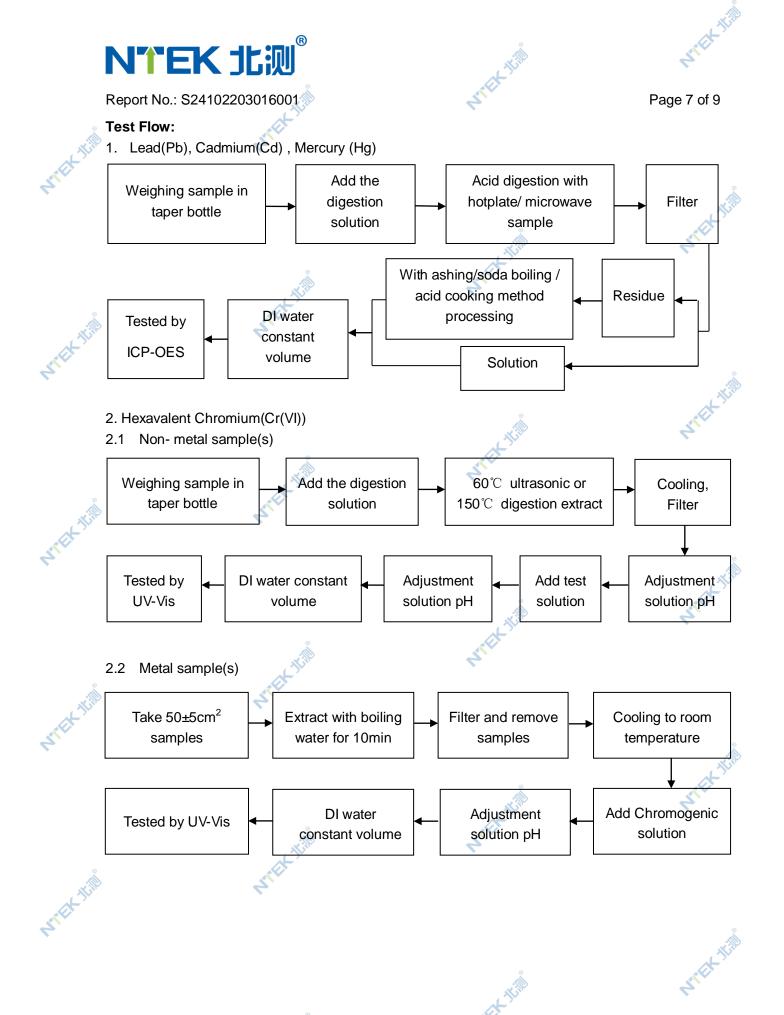
- All All All All All All All All All Al						
TEL YES	Test item	Test method	Test instrument	MDL	Limit△	
4	Lead (Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg	1000 mg/kg	
	Cadmium (Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg	100 mg/kg	
	Mercury (Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES	2 mg/kg	1000 mg/kg	
	Hexavalent	IEC 62321-7-1:2015 Ed.1.0		0.10 µg/cm ²	1000 mg/kg	
	Chromium(Cr(VI))	IEC 62321-7-2:2017 Ed.1.0	UV-Vis	8 mg/kg	1000 mg/kg	
ANTER THIS	Polybrominated Biphenyls(PBBs)	EC 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	
NTEK TI	Dibutyl Phthalate (DBP)	EC 62321-8:2017 Ed.1.0	GC-MS	30 mg/kg	1000 mg/kg	
	Diisobutyl Phthalate (DIBP)	IFC 62321-8:2017 Ed 1 0		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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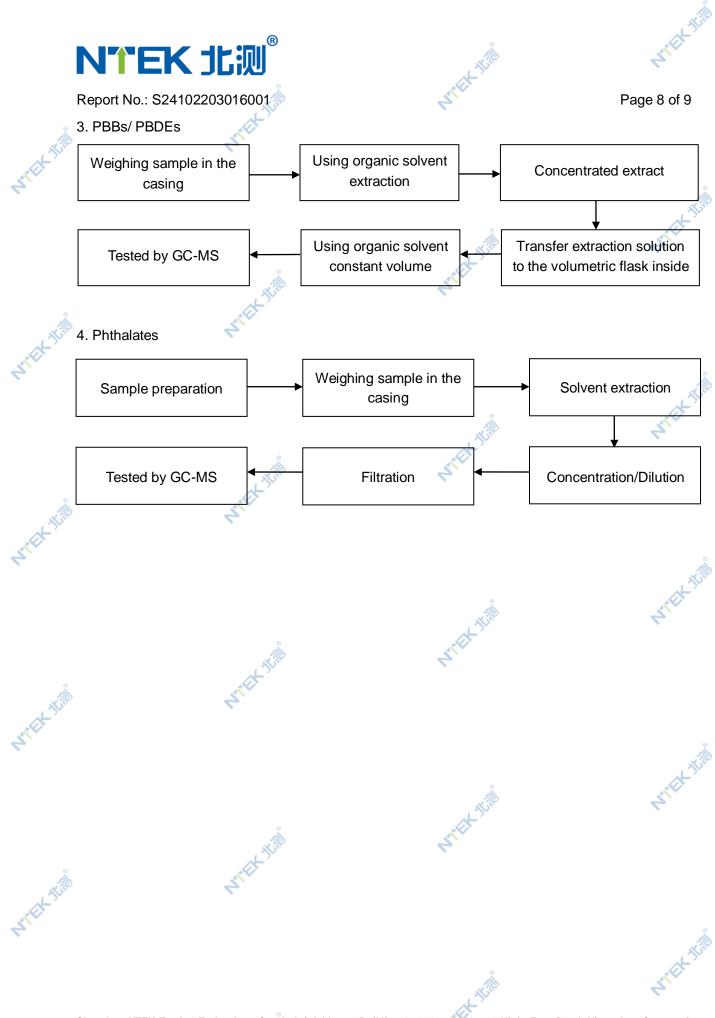
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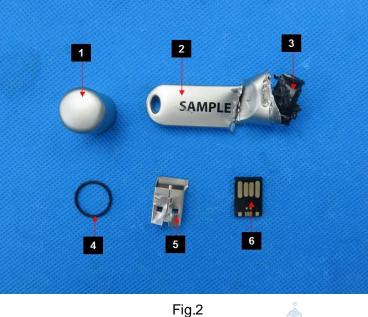
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****End of Report***

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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