



Test Report

Report No: CX/2019/60025

Date: 2019/07/04

CORE CORPORATION
CORE R&D CENTER, 11-1, MINAMIKUROKAWA, ASAO-KU, KAWASAKI-SHI, KANAGAWA

The following sample(s) was/were submitted and identified by/on behalf of the applicant as :

Sample Description : GR-ROSE
Style/Item No. : X65A-M01
Sample Receiving Date : 2019/06/10 and 2019/06/27
Testing Period : 2019/06/10 to 2019/6/24 and 2019/06/27 to 2019/07/04

=====
Test Requested : As specified by client, the sample(s) was/were tested with reference to GB/T 26572-2011 to determine Cadmium, Lead, Mercury contents in the submitted sample(s).

Test Result(s) : Please refer to next page(s).

Summary : Based on the performed tests on SELECTED PART(S) of submitted sample(s), the test results of Cadmium, Lead, Mercury comply with the limits as set by GB/T 26572-2011.

Wendy Wei
Wendy Wei, Supervisor
Signed for and behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei



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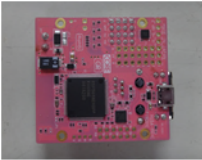

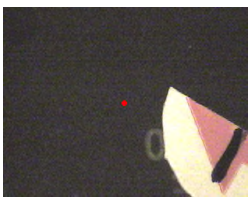
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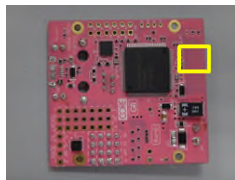



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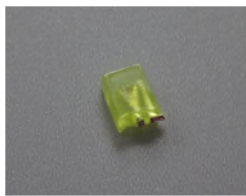
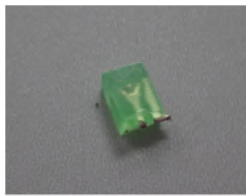

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1. Material Fraction Composition

Table 1 The results of XRF screening and chemical test

<div></div>											
No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
1	PCBA	1.1	ELECTRONIC COMPONENT		Composite Material	Pb	n.d.		---		
	Cd					n.d.	---				
	Hg					n.d.	---				
	Cr					n.d.					
	Br					n.d.	---				
	Cr(VI)										
	PBB										
	PBDE										
	Pb	n.d.		---							
	Cd	n.d.		---							
	Hg	n.d.		---							
	Cr	n.d.									
	Br	n.d.		---							
	Cr(VI)										
	PBB										
	PBDE										
	Pb	n.d.		---							
	Cd	n.d.		---							
	Hg	n.d.		---							
	Cr	n.d.									
	Br	n.d.		---							
Cr(VI)											
PBB											
PBDE											





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No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note		
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE			
1	PCBA	1.4	RAW PCB		Composite Material	Pb	n.d.		---				
	Cd					n.d.	---						
	Hg					n.d.	---						
	Cr					n.d.							
	Br					69000	---		n.d.				
	Cr(VI)								n.d.				
	PBB												
	PBDE												
	PCBA	1.5	SILVERY METALLIC COVER		Metals	Pb	n.d.		---				
	Cd					n.d.	---						
	Hg					n.d.	---						
	Cr					n.d.							
	Br					n.d.	---		---				
	Cr(VI)								---				
	PBB												
	PBDE												
	PCBA	1.6	SILVERY METALLIC FRAME		Metals	Pb	n.d.		---				
	Cd					n.d.	---						
	Hg					n.d.	---						
	Cr					n.d.							
	Br					n.d.	---		---				
	Cr(VI)								---				
	PBB												
	PBDE												
	PCBA	1.7	BLACK PLASTIC HOUSING		Polymers	Pb	n.d.		---				
	Cd					n.d.	---						
	Hg					n.d.	---						
	Cr					n.d.							
	Br					68.1	---		---				
	Cr(VI)								---				
	PBB												
	PBDE												

Report No. GVE2019-00020												Date: 2019	
No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note		
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE			
1	PCBA	1.8	TRANSPARENT PLASTIC PAD		Polymers	Pb	n.d.		---				
						Cd	n.d.		---				
						Hg	n.d.		---				
						Cr	n.d.						
						Br	n.d.						
						Cr(VI)						---	
						PBB							---
						PBDE						---	
		1.9	LED		Composite Material	Pb	n.d.		---				
						Cd	n.d.		---				
						Hg	n.d.		---				
						Cr	n.d.						
						Br	877						
						Cr(VI)						---	
						PBB						n.d.	
						PBDE			n.d.				
		1.10	LED		Composite Material	Pb	n.d.		---				
						Cd	n.d.		---				
						Hg	n.d.		---				
						Cr	n.d.						
						Br	850						
						Cr(VI)						---	
						PBB						n.d.	
						PBDE			n.d.				
		1.11	WHITE PLASTIC HOUSING		Polymers	Pb	n.d.		---				
						Cd	n.d.		---				
						Hg	n.d.		---				
						Cr	n.d.						
						Br	n.d.						
						Cr(VI)						---	
						PBB						---	
						PBDE			---				

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No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note		
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE			
1	PCBA	1.12	BLACK PLASTIC HOUSING		Polymers	Pb	n.d.		---				
						Cd	n.d.		---				
						Hg	n.d.		---				
						Cr	n.d.						
						Br	49000						
						Cr(VI)						---	
						PBB							n.d.
						PBDE						n.d.	
		1.13	GOLDEN METALLIC PIN		Metals	Pb	n.d.		---				
						Cd	n.d.		---				
						Hg	n.d.		---				
						Cr	n.d.						
						Br	n.d.						
						Cr(VI)						---	
						PBB						---	
						PBDE			---				
		1.14	BEIGE PLASTIC PAD		Polymers	Pb	n.d.		---				
						Cd	n.d.		---				
						Hg	n.d.		---				
						Cr	n.d.						
						Br	62400						
						Cr(VI)						---	
						PBB						n.d.	
						PBDE			n.d.				
	1.15	BLACK PLASTIC HOUSING		Polymers	Pb	n.d.		---					
					Cd	n.d.		---					
					Hg	n.d.		---					
					Cr	n.d.							
					Br	n.d.							
					Cr(VI)						---		
					PBB						---		
					PBDE			---					

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No.	Type of Components	Description		Figure	MDL Category	X-ray Screening		UV	ICP-AES	GC-MS	Note
						Element	Data	Cr (VI)	Pb/Cd/Hg	PBB/PBDE	
1		1.16	SILVERY METALLIC FRAME		Metals	Pb	n.d.	Negative	---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	100000				
						Br	n.d.				
						Cr(VI)					
						PBB				---	
						PBDE				---	
		1.17	BLACK PLASTIC HOUSING		Polymers	Pb	n.d.		---		
						Cd	n.d.		---		
						Hg	n.d.		---		
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)			---		
						PBB				---	
						PBDE				---	



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Test Item	MDL (mg/kg)				XRF screening threshold (mg/kg)	Test method
	Category Element	Polymers	Composite Material	Metals		
XRF (X-ray fluorescence)	Pb	50	100	100	500	With reference to GB/T 26125-2011.
	Cd	50	50	50	50	
	Hg	50	100	100	500	
	Cr	50	100	100	500	
	Br	50	100	n.a.	250	

Test Item (s)	Test method	MDL	Unit
Cr(VI)	With reference to GB/T 26125-2011 and performed by UV-VIS. (For Polymers and Electronics)	2	mg/kg
	With reference to GB/T 26125-2011. (For Coatings on Metals)	— *	-
Pb/Cd/Hg	With reference to GB/T 26125-2011 and performed by ICP-AES.	2	mg/kg

Test Item (s)	Unit	Method	MDL (mg/kg)
PBBs		With reference to GB/T 26125-2011 and performed by GC/MS.	
Monobromobiphenyl	mg/kg		5
Dibromobiphenyl	mg/kg		5
Tribromobiphenyl	mg/kg		5
Tetrabromobiphenyl	mg/kg		5
Pentabromobiphenyl	mg/kg		5
Hexabromobiphenyl	mg/kg		5
Heptabromobiphenyl	mg/kg		5
Octabromobiphenyl	mg/kg		5
Nonabromobiphenyl	mg/kg		5
Decabromobiphenyl	mg/kg		5
PBDEs			
Monobromodiphenyl ether	mg/kg		5
Dibromodiphenyl ether	mg/kg		5
Tribromodiphenyl ether	mg/kg		5
Tetrabromodiphenyl ether	mg/kg		5
Pentabromodiphenyl ether	mg/kg		5
Hexabromodiphenyl ether	mg/kg		5
Heptabromodiphenyl ether	mg/kg		5
Octabromodiphenyl ether	mg/kg		5
Nonabromodiphenyl ether	mg/kg		5
Decabromodiphenyl ether	mg/kg		5



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1. mg/kg = ppm
2. MDL = Method detection limit
3. n.d. = not detected or lower than MDL
4. "---" = not conducted
5. n.a. = not applicable
6. " - " = Not Regulated
7. The XRF result of Br for metal sample is conducted from semi-quantitative method of polymer. If the Br result is shown as n.d., the reading will be less than 100ppm.
8. _* = a. Positive means the presence of CrVI on the tested areas
b. Negative means the absence of CrVI on the tested areas
The detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² tested areas.

9. Magnetic samples can not be located on test position and there are breakdown risks on XRF equipment. Therefore, this kind of sample will be conducted chemical test directly.
10. If the test result by EDXRF analysis is greater than XRF screening threshold, the test sample should be further conducted by chemical test.

Mark	Description of Mark
*1	The sample weight is not enough to conduct chemical tests.
*3	The result was retested after regetting the same sample from client.
*4	The sample is provided separately from the client.
*6	The test item was tested by dry base.
*7	This sample follows requirement of client to conduct directly chemical tests.