



# 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

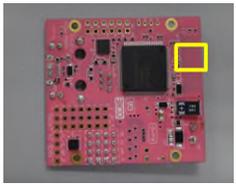
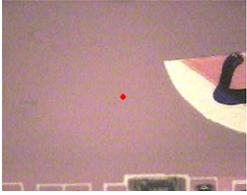
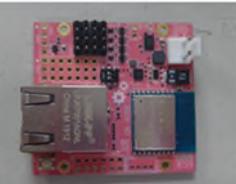


This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

### 1. Material Fraction Composition

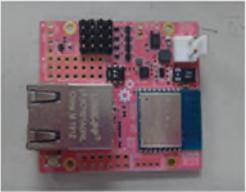
Table 1 The results of XRF screening and chemical test

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		---		
		PCBA	1.2	ELECTRONIC COMPONENT		Composite Material	Pb	n.d.		---	
Cd	n.d.	---									
Hg	n.d.	---									
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)	---				
						PBB		---			
						PBDE		---			
	PCBA	1.3	SOLDER		Metals	Pb	n.d.		---		
Cd	n.d.					---					
Hg	n.d.					---					
						Cr	n.d.				
						Br	n.d.				
						Cr(VI)	---				
						PBB		---			
						PBDE		---			

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						
					Cr(VI)						---	
					PBB							n.d.
					PBDE							n.d.
	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							---	

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		---				

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						---	

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		---									



# Test Report

Report No: CX/2019/60025

Date: 2019/07/04

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)
<b>PBBs</b>		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
<b>PBDEs</b>			
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	

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.



## Test Report

Report No: CX/2019/60025

Date: 2019/07/04

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 cm<sup>2</sup> 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.