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APPLICANT : Argos Technologies, Inc.

1551 South Scottsdale Court Suite 200 Elgin, IL60123

Report on the submitted sample said to be

SAMPLE NAME : FlexiRoll

TYPE /MODEL : R1000, R1000E,R1001,R1001E,AGR1000E,AGR1001E,RXXXXX

MANUFACTURER : SuZhou JiMei Electronics Co., Ltd.

TEST REPORT NUMBER : 201307930R-1

SAMPLE RECEIVED DATE : Nov.30,2013

TESTING PERIOD : Dec.01-13,2013

TESTS CONDUCTED: AS REQUESTED BY THE APPLICANT, SUBMITTED SAMPLE WERE SCREENED BY XRF SPECTROSCOPY FOR ROHS DIRECTIVE (2011/65/EU) AND ITS AMENDMENT DIRECTIVES, FOR DETAILS REFER TO ATTACHED PAGE(S)

Signed for and on behalf of

ANBOTEK COMPLIANCE LABORATORY LIMITED

Written by Adune

Approved \_\_\_\_\_\_

Jeff Zhu / Manager

Anbotek Inspected by Terry 7 (a



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#### **Tested Subject Description**

No.	Item Name	Tested Material Description	Photo
1	PCB	Green PCB (mixed)	
2	Board	Black plastic board	
3	Baseboard	Silvery metal plate	
4		Silvery metal gear	
5	Axle	Silvery metal gear belt	2288000XXXX
6	, viic	Black metal base plate	
7		Silvery metal axle	



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No.	Item Name	Tested Material Description	Photo
8		Black metal cover	Commence of the Commence of th
9		Silvery lid	
10		Silvery metal axle	nite.
11		Black metal screw	
12	Electrical machine	Magnetic steel	
13		White plastic gasket	Name of the last o
14		White drivepipe	
15		Black metal cover	
16	Sheet metal	Silvery sheet metal	
17	Cover	Black plastic cover	
18		Black rubber ring	
19	Wheel	Black plastic ring	
20		Silvery metal pole	



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No.	Item Name	Tested Material Description	Photo
21	LCD PANEL	Silvery metal screw	
22	LOD FAINEL	Silvery metal gasket	
23		Silver-gray metal foil	
24		Silvery metal pin part	
25	Aluminium	Black rubber stopper part	
26	electrolyte capacitor	Silvery metal shell part	2
27		Beige liquid	
28		Black substrate	
29	Metal block	Silvery metal	
30		Black drivepipe	
31	Inductors	Black magnet	
32		Copper wire	
33		Silvery metal pin	



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No.	Item Name	Tested Material Description	Photo
34	Connector	Green plastic	
35		Silvery metal pin	
36	Edge	White plastic edge	
37		Black plastic connector	
38	Connector	Polychrome pvc jacket	
39		Silvery metal wire	
40	Field-effect tube	Black body	
41	Troid choot tube	Silvery metal pin	



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No.	Item Name	Tested Material Description	Photo
42	Belt	Black belt	
43		Silvery metal pin	
44		Black plastic cover	
45		Silvery metal wire	CC
46	Supply hub	Black drivepipe	
47		Yellow pcb	
48		Red pvc jacket	
49		Black pvc jacket	
50		Silvery metal	
51	- Jack	Black drivepipe	
52		White plastic plate	
53	Cover plate	Black terminal	
54		Silvery metal pin	Argos FlexiRoll
55		Blue FFC	
56		Silvery sheet metal	



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No.	Item Name	Tested Material Description	Photo
57	Chip inductors	Black body w/ silvery metal edge	
58	- Exclusion	Black body	
59		Silvery metal pin	
60	IC	Black body w/ silvery metal pin	
61	On otal an ellater	Silvery metal body	
62	Crystal oscillator	Silvery metal pin	



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No.	Item Name	Tested Material Description	Photo
63		Black plastic cover	
64		Copper metal coil	
65	Buzzer	Balck magnet	
66		Silvery metal contact	
67		Silvery metal pin	
68	Chip resistance	Black body w/ silvery metal edge	
69	Chip capacitance	Brown body w/ silvery metal edge	
70	Chip audion	Black body w/ silvery metal edge	



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#### **Test Results**

As per IEC 62321: 2008, screened by XRF spectroscopy.

No.	Test Item	XRF Result
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
1	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
2	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
3	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
4	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
5	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
6	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable



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No.	Test Item	XRF Result
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
7	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
8	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
9	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
10	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
11	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
12	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass



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No.	Test Item	XRF Result
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
13	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
14	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
15	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
16	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
17	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
18	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass



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No.	Test Item	XRF Result
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
19	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
20	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
21	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
22	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
23	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
24	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
<u></u>	Bromine (Br)	Not Applicable



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No.	Test Item	XRF Result
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
25	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
26	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
27	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
28	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
29	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
30	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass



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No.	Test Item	XRF Result	
	Cadmium (Cd)	Pass	
	Lead (Pb)	Pass	
31	Mercury (Hg)	Pass	
	Chromium (Cr)	Pass	
	Bromine (Br)	Pass	
	Cadmium (Cd)	Pass	
	Lead (Pb)	Pass	
32	Mercury (Hg)	Pass	
	Chromium (Cr)	Pass	
	Bromine (Br)	Not Applicable	
	Cadmium (Cd)	Pass	
	Lead (Pb)	Pass	
33	Mercury (Hg)	Pass	
	Chromium (Cr)	Pass	
	Bromine (Br)	Not Applicable	
	Cadmium (Cd)	Pass	
	Lead (Pb)	Pass	
34	Mercury (Hg)	Pass	
	Chromium (Cr)	Pass	
	Bromine (Br)	Pass	
	Cadmium (Cd)	Pass	
	Lead (Pb)	Pass	
35	Mercury (Hg)	Pass	
	Chromium (Cr)	Pass	
	Bromine (Br)	Not Applicable	
	Cadmium (Cd)	Pass	
	Lead (Pb)	Pass	
36	Mercury (Hg)	Pass	
	Chromium (Cr)	Pass	
	Bromine (Br)	Pass	



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No.	Test Item	XRF Result
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
37	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
38	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
39	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
40	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
41	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
42	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass



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No.	Test Item	XRF Result
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
43	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
44	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
45	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
46	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
47	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
48	Lead (Pb)	Pass
	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass



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No.	Test Item	XRF Result
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
49	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
50	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
51	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
52	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
53	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
54	Lead (Pb)	Pass
	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
1	Bromine (Br)	Not Applicable



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No.	Test Item	XRF Result
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
55	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
56	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
57	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
58	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Pass
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
59	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable
	Cadmium (Cd)	Pass
	Lead (Pb)	Pass
60	Mercury (Hg)	Pass
	Chromium (Cr)	Pass
	Bromine (Br)	Not Applicable



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No.	Test Item	XRF Result	
	Cadmium (Cd)	Pass	
	Lead (Pb)	Pass	
61	Mercury (Hg)	Pass	
	Chromium (Cr)	Pass	
	Bromine (Br)	Not Applicable	
	Cadmium (Cd)	Pass	
	Lead (Pb)	Pass	
62	Mercury (Hg)	Pass	
	Chromium (Cr)	Pass	
	Bromine (Br)	Not Applicable	
	Cadmium (Cd)	Pass	
	Lead (Pb)	Pass	
63	Mercury (Hg)	Pass	
	Chromium (Cr)	Pass	
	Bromine (Br)	Pass	
	Cadmium (Cd)	Pass	
	Lead (Pb)	Pass	
64	Mercury (Hg)	Pass	
	Chromium (Cr)	Pass	
	Bromine (Br)	Not Applicable	
	Cadmium (Cd)	Pass	
	Lead (Pb)	Pass	
65	Mercury (Hg)	Pass	
	Chromium (Cr)	Pass	
	Bromine (Br)	Pass	
	Cadmium (Cd)	Pass	
	Lead (Pb)	Pass	
66	Mercury (Hg)	Pass	
	Chromium (Cr)	Pass	
	Bromine (Br)	Not Applicable	



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No.	Test Item	XRF Result	
	Cadmium (Cd)	Pass	
	Lead (Pb)	Pass	
67	Mercury (Hg)	Pass	
	Chromium (Cr)	Pass	
	Bromine (Br)	Not Applicable	
	Cadmium (Cd)	Pass	
	Lead (Pb)	Pass	
68	Mercury (Hg)	Pass	
	Chromium (Cr)	Pass	
	Bromine (Br)	Not Applicable	
	Cadmium (Cd)	Pass	
	Lead (Pb)	Pass	
69	Mercury (Hg)	Pass	
	Chromium (Cr)	Pass	
	Bromine (Br)	Not Applicable	
	Cadmium (Cd)	Pass	
	Lead (Pb)	Pass	
70	Mercury (Hg)	Pass	
	Chromium (Cr)	Pass	
	Bromine (Br)	Not Applicable	



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#### XRF screening limits in mg/kg for regulated elements in various material

Element	Polymer Material	Metallic Material	Composite Material
Cadmium ( Cd )	P≤70 <ic<130≤f< td=""><td>P≤70<ic<130≤f< td=""><td>P≤70<ic<250≤f< td=""></ic<250≤f<></td></ic<130≤f<></td></ic<130≤f<>	P≤70 <ic<130≤f< td=""><td>P≤70<ic<250≤f< td=""></ic<250≤f<></td></ic<130≤f<>	P≤70 <ic<250≤f< td=""></ic<250≤f<>
Lead ( Pb )	P≤700 <ic<1300≤f< td=""><td>P≤700<ic<1300≤f< td=""><td>P≤500<ic<1500≤f< td=""></ic<1500≤f<></td></ic<1300≤f<></td></ic<1300≤f<>	P≤700 <ic<1300≤f< td=""><td>P≤500<ic<1500≤f< td=""></ic<1500≤f<></td></ic<1300≤f<>	P≤500 <ic<1500≤f< td=""></ic<1500≤f<>
Mercury ( Hg )	P≤700 <ic<1300≤f< td=""><td>P≤700<ic<1300≤f< td=""><td>P≤500<ic<1500≤f< td=""></ic<1500≤f<></td></ic<1300≤f<></td></ic<1300≤f<>	P≤700 <ic<1300≤f< td=""><td>P≤500<ic<1500≤f< td=""></ic<1500≤f<></td></ic<1300≤f<>	P≤500 <ic<1500≤f< td=""></ic<1500≤f<>
Chromium (Cr)	P≤500 <ic< td=""><td>P≤700<ic< td=""><td>P≤500<ic< td=""></ic<></td></ic<></td></ic<>	P≤700 <ic< td=""><td>P≤500<ic< td=""></ic<></td></ic<>	P≤500 <ic< td=""></ic<>
Bromine (Br)	P≤300 <ic< td=""><td>Not Applicable</td><td>P≤250<ic< td=""></ic<></td></ic<>	Not Applicable	P≤250 <ic< td=""></ic<>

#### REMARK:

- (1) mg/kg=milligram per kilogram
- (2) P=Pass; F=Fail; IC=Inconclusive

### Estimated Detection Limits in mg/kg for regulated elements in various material

Element	Polymer Material	Metallic Material	Composite Material
Cadmium ( Cd )	50	70	70
Lead ( Pb )	100	200	200
Mercury ( Hg )	100	200	200
Chromium (Cr)	100	200	200
Bromine (Br)	200	Not Applicable	200



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#### **APPENDIX A**

#### **Photograph of Sample**



\*\*\*\*\* End of Report \*\*\*\*