

<u>Test Report</u> Report No.: 180814123GZU-005 Date: Sep 18, 2018

Applicant: AILUN ELECTRONIC TECHNOLOPY (H.K) LIMITED

1001R.10F TAIYOU BUILDING.181 FOHNSTON ROAD,

WANCHAI HK

Sample Description:

The following submitted sample(s) said to be:

Item Name : MLCC-X5R

Model No. : NA

Additional Info. : IKEA's Supplier Code: 2452

Date of Sample Received : Aug 30, 2018

Testing Period : Aug 30, 2018 to Sep 13, 2018

Tests conducted:

As requested by the applicant, refer to following page(s) for details.

### Comment:

The results of tested component(s) / submitted sample(s) did not exceed the limits of Cadmium(Cd), Lead (Pb) and Mercury(Hg) of IKEA Specification IOS-PRG-0027 Version No. AA-224712-5, and the Chromium (VI) (Cr6+) result complied with the requirement of IKEA Specification IOS-PRG-0027 Version No. AA-224712-5.

Authorized by:

For Intertek Testing Services Shenzhen Ltd. Guangzhou Branch:

Martin He

Senior Project Engineer





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## RoHS Chemical Test Tested Component:

(1) Brown ceramic with silver color metal (SMD capacitor)

#### Part A:

(A) Test Result Summary (For IKEA Specification IOS-PRG-0027 Version No. AA-224712-5):

Testing Item	Result	
resting item	(1)	
Cadmium (Cd) Content (mg/kg)	ND	
Lead (Pb) Content (mg/kg)	ND	
Mercury (Hg) Content (mg/kg)	ND	
Chromium (VI)(Cr <sup>6+</sup> ) Content (mg/kg) (For Non-metal)	ND	

mg/kg = milligram per kilogram based on dry weight of sample = ppm ND = Not detected

## (B) IKEA Requirement:

Substance	Metal	Plastics and Other Polymerics	Ceramics and Glass	Other Materials(Including Surface Coating)
Codmium (Cd)	0.01%	0.01%	0.01%	0.01%
Cadmium (Cd)	(100 mg/kg)	(100 mg/kg)	(100 mg/kg)	(100 mg/kg)
Lead (Pb)	0.1%	0.03%	0.1%	0.1%
	(1000 mg/kg)	(300 mg/kg)	(1000 mg/kg)	(1000 mg/kg)
Mercury (Hg)	0.01%	0.005%	0.005%	0.005%
	(100 mg/kg)	(50 mg/kg)	(50 mg/kg)	(50 mg/kg)
Chromium (VI)	Mogativa	0.1%	0.1%	0.1%
(Cr <sup>6+</sup> )	Negative	(1000 mg/kg)	(1000 mg/kg)	(1000 mg/kg)



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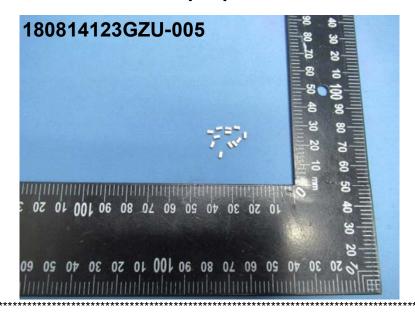
## (C) Test Method:

Testing Item	Testing Method	Reporting Limit
Cadmium (Cd) Content	With reference to IEC 62321-5 Edition 1.0:2013, by acid digestion and determined by ICP - OES	2 mg/kg
Lead (Pb) Content	With reference to IEC 62321-5 Edition 1.0:2013, by acid digestion and determined by ICP - OES	2 mg/kg
Mercury (Hg) Content	With reference to IEC 62321-4 Edition 1.0:2013, by acid digestion and determined by ICP - OES	2 mg/kg
Chromium (VI)(Cr <sup>6+</sup> ) Content	With reference to IEC 62321 Edition 1.0:2008, by alkaline digestion and determined by UV-VIS Spectrophotometer	1 mg/kg



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# Sample photo



#### End of report

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