

**Test Report**

Report No.: 180814123GZU-006

Date: Sep 18, 2018

Applicant: AILUN ELECTRONIC TECHNOLOGY (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-X7R**  
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



**Test Report**

Report No.: 180814123GZU-006

Date: Sep 18, 2018

RoHS Chemical Test

Tested Component:

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

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

Testing Item	Result
	(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)
Cadmium (Cd)	0.01% (100 mg/kg)	0.01% (100 mg/kg)	0.01% (100 mg/kg)	0.01% (100 mg/kg)
Lead (Pb)	0.1% (1000 mg/kg)	0.03% (300 mg/kg)	0.1% (1000 mg/kg)	0.1% (1000 mg/kg)
Mercury (Hg)	0.01% (100 mg/kg)	0.005% (50 mg/kg)	0.005% (50 mg/kg)	0.005% (50 mg/kg)
Chromium (VI) (Cr <sup>6+</sup> )	Negative	0.1% (1000 mg/kg)	0.1% (1000 mg/kg)	0.1% (1000 mg/kg)

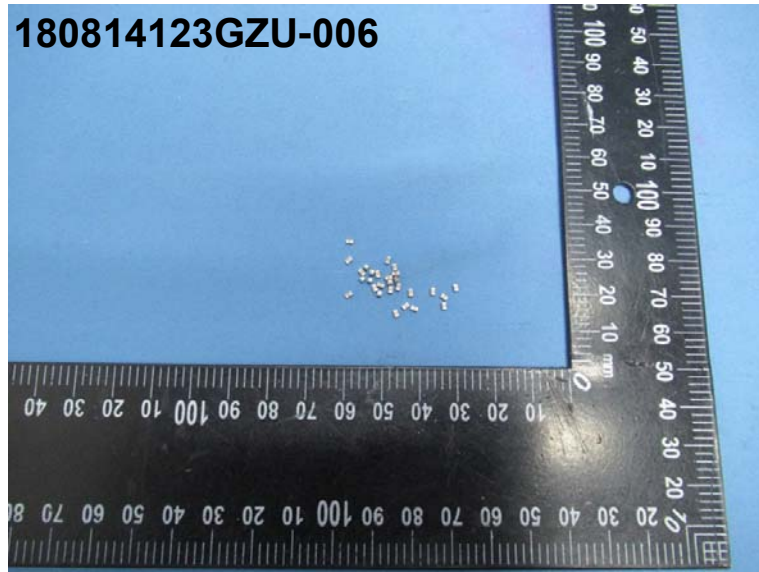


(C) Test Method:

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



**Sample photo**



\*\*\*\*\*

End of report

*This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.*

