

Test Report

Report No.: 180814123GZU-005

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-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
	(1)
Cadmium (Cd) Content (mg/kg)	ND
Lead (Pb) Content (mg/kg)	ND
Mercury (Hg) Content (mg/kg)	ND
Chromium (VI)(Cr ⁶⁺) 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 ⁶⁺)	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 ⁶⁺) 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

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