

# TEST REPORT

No.: ED190522060C

Date: May 31, 2019

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- Applicant** : DONGGUAN REALDO ELECTRONIC TECHNOLOGY CO., LTD.  
**Address** : JIAOYU ROAD, FULONG VILLAGE, SHIPAI TOWN, DONGGUAN CITY,  
GUANGDONG PROVINCE CHINA
- Sample Name** : LED Bulb  
**Style/Item No.** : See Appendix (page 11)  
**Sample Received Date** : May 22, 2019  
**Testing Completed Date** : May 31, 2019
- Test Requested** : As requested by the client, to evaluate the compliance of the submitted sample with EU RoHS Directive 2011/65/EU Annex II and its amendment (EU) 2015/863 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.
- Test Method** : 1. Review was performed for the sample and the related Bill of Materials submitted by the Applicant.  
2. a) Refer to the standard IEC 62321-3-1:2013: Screening by XRF Spectroscopy.  
b) Wet chemical test  
1) refer to IEC 62321-5: 2013, determine the Cadmium, Lead content by ICP-OES.  
2) refer to IEC 62321-4: 2013, determine the Mercury content by ICP-OES.  
3) refer to IEC 62321-7-1:2015 & IEC 62321-7-2:2017, determine the Hexavalent Chromium content by UV-VIS.  
4) refer to IEC 62321-6:2015, determine the Polybrominated Biphenyls and Polybrominated Diphenyl Ethers by GC-MS.  
5) refer to IEC 62321-8:2017, determine the Dibutyl phthalate(DBP), Benzylbutyl phthalate(BBP), Di-2-ethylhexyl phthalate(DEHP) and Diisobutyl phthalate(DIBP) by GC-MS.
- Test Results** : Please refer to next page (s).

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## Conclusion:

Basing on the test results obtained from the homogenous materials, the submitted sample **COMPLIES** with the EU RoHS Directive 2011/65/EU Annex II and its amendment (EU) 2015/863.

Signed for and on behalf of  
EMTEK (Dongguan) Co., Ltd.

Prepared by:

  
Cherry Zhu  
Report Engineer

Reviewed by:

  
Carrie Zhang  
Supervisor

Approved by:

  
Lisa Li  
Manager

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