



## CERTIFICADO ROHS

Distribuidor: JBM CAMPLLONG, S.L.U.

Dirección: CIM La Selva – Crta. Aeroport Km 1.6 Nave 2.2, 17185 Vilobí d'Onyar, Girona

CIF: B17419292

Descripción del producto: PILOTO LED IMANTADO PARA BARRA DE REMOLQUE - IZQUIERDO

Referencia del fabricante: TB-63

Referencia del distribuidor: 54160L

El objeto de la declaración es conforme a la Directiva 2011/65/EU del Parlamento Europeo y del Consejo, de 8 de junio de 2011, sobre restricciones a la utilización de determinadas sustancias peligrosas en aparatos eléctricos y electrónicos, y a los siguientes estándares:

<b>Norma</b>	<b>Título</b>	<b>Edición/Fecha</b>
IEC63231-3-1	Determinación de determinadas sustancias en productos electrotécnicos - Parte 3-1: Cribado - Plomo, mercurio, cadmio, cromo total y bromo total por espectrometría de fluorescencia de rayos X	2013
IEC63231-5	Determinación de determinadas sustancias en productos electrotécnicos - Parte 5: Cadmio, plomo y cromo en polímeros y productos electrónicos y cadmio y plomo en metales por AAS, AFS, ICP-OES e ICP-MS	2013
IEC63231-6	Determinación de ciertas sustancias en productos electrotécnicos. Parte 6: Bifenilos polibromados y éteres difenil polibromados en polímeros por cromatografía de gases - espectrometría de masas (GC-MS) (Ratificada por AENOR en octubre de 2015.)	2015
IEC63231-7-1	Determinación de ciertas sustancias en productos electrotécnicos. Parte 7-1: Determinación de cromo hexavalente (Cr (VI)) en recubrimientos protegidos contra la corrosión coloreados e incoloros de metales por el método colorimétrico (Ratificada por AENOR en febrero de 2016.)	2015
IEC63231-7-2	Determinación de ciertas sustancias en productos electrotécnicos. Parte 7-2: Cromo hexavalente. Determinación del cromo hexavalente (Cr (VI)) en polímeros y productos electrónicos por el método colorimétrico (Ratificada por la Asociación Española de Normalización en agosto de 2017.)	2017
IEC63231-4	Determinación de determinadas sustancias en productos electrotécnicos - Parte 4: Mercurio en polímeros, metales y productos electrónicos por CV-AAS, CV-AFS, ICP-OES e ICP-MS	2013

IEC63231-8 Determinación de ciertas sustancias en productos 2017  
electrotécnicos. Parte 8: Ftalatos en polímeros por cromatografía  
de gases-espectrometría de masas (GC-MS), pirólisis/desorción  
térmica-cromatografía de gases-espectrometría de masas  
(Py/TD-GC-MS) (Ratificada por la Asociación Española de  
Normalización en agosto de 2017.)

Firmado:



Eduard Godoy

Director departamento de compras

En Girona, a 17 de agosto de 2022

### Certificate of Conformity

**NO.: EG200108511CMVer.1.0**

The submitted sample(s) (mentioned as below) has(have) been tested by EMTEK according to the standard(s) / specification(s) cited as below as requested by applicant and found the compliance(s) with the related requirements stated therein.

Applicant :  
Address :  
Sample Name : LED Trailer light  
TB-62(main test), TB-62-LH, TB-62-RH, TB-62-MT, TB-62-S, TB-62FT,  
TB-62IP, TB-63LH(RH), TB-56-LH(RH), TB-56-M, TB-56-S, TB-56-MT,  
TB-56-FT, B-57, TB-56IP, TB-58, TB-59, TB-60, TB-61, TB-63LH(RH), TB-63-S,  
TB-63-M, TB-63-MT, TB-63FT, TB-63PVC, TB-63IP, TB-64, TB-10LED,  
Model TB-10LED-M, TB-10LED-S, TB-10LED-MT, TB-08C, TB-13A, TB-07B,  
TB-09C-LED, TB-09D-LED, TB-09C, TB-01A, TB-T001, TB-09B-LED,  
TB-T002, TB-31-LED, TB-30-LED, TB-32-LED, TB-08A, TB-06A, TB-07A,  
TB-02, SC001, TB-02A-1, TB-02A-2, TB-02C, TB-05A, TB-04A, TB-15A,  
JCTL-03-001, LED-TS-0312, LED-TS-0324, JCTL-03-002, JCTL-02-003,  
JCTL-02-001, JCTL-01-001, JCTL-04-001  
Relevant Standard(s) / specification(s) : IEC62321-3-1:2013, IEC62321-5:2013, IEC 62321-6:2015  
IEC 62321-7-1:2015 & IEC 62321-7-2:2017  
IEC 62321-4: 2013+AMD1:2017, IEC 62321-8:2017  
Sample photo : SEE REPORT

# RoHS



A handwritten signature in black ink, appearing to read "Mickey".

(Manager)

Jan. 14, 2020

This certification is part of the full test report(s) and should be read in conjunction with it. The certificate is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo.

# Test Report

No.: EG200108511CMVer.1.0

Date: Jan. 14, 2020

Page 1 of 26

**Applicant** :

**Address** :

**Sample Name** : LED Trailer light

**Model**

TB-62(main test) , TB-62-LH,TB-62-RH,TB-62-MT,TB-62-S,TB-62FT,TB-62IP,  
TB-63LH(RH),TB-56-LH(RH),TB-56-M,TB-56-S,TB-56-MT,TB-56-FT,TB-57,TB-56IP,  
TB-58,TB-59,TB-60,TB-61,TB-63LH(RH),TB-63-S,TB-63-M,TB-63-MT,TB-63FT,TB-63PVC,  
TB-63IP,TB-64,TB-10LED,TB-10LED-M,TB-10LED-S,TB-10LED-MT,TB-08C,TB-13A,  
TB-07B,TB-09C-LED,TB-09D-LED,TB-09C,TB-01A,TB-T001,TB-09B-LED,TB-T002,  
TB-31-LED,TB-30-LED,TB-32-LED,TB-08A,TB-06A,TB-07A,TB-02,SC001,TB-02A-1,  
TB-02A-2,TB-02C,TB-05A,TB-04A,TB-15A,JCTL-03-001,LED-TS-0312,LED-TS-0324,  
JCTL-03-002,JCTL-02-003,JCTL-02-001,JCTL-01-001,JCTL-04-001

**Received Date** : Jan. 08, 2020

**Test Period** : Jan. 08, 2020 ~ Jan. 14, 2020

**Test Requested** : As requested by client, to evaluate the compliance of the submitted sample with the Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 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 Material submitted by the Applicant.
2. a) To refer to the standard IEC 62321-2:2013, review was performed for the samples disjoined from the submitted articles.  
b) To refer to the standard IEC 62321-1:2013, tests were performed for the samples indicated by the photos in this report.  
c) To refer to the standard IEC 62321-3-1:2013: Screening by XRF Spectroscopy.  
d) Wet chemical test
  - 1) to refer to IEC 62321-5:2013, determine the Lead(Pb),Cadmium(Cd) content by ICP-OES.
  - 2) to refer to IEC 62321-4: 2013+AMD1:2017, determine the Mercury(Hg) content by ICP-OES.
  - 3) to refer to IEC 62321-7-1:2015 & IEC 62321-7-2:2017, determine the Hexavalent Chromium(Cr(VI)) content by UV-VIS.
  - 4) to refer to IEC 62321-6:2015, determine the Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers(PBDEs) by GC-MS.
  - 5) to refer to IEC 62321-8:2017, determine the Bis(2-ethylhexyl)phthalate (DEHP), Dibutyl phthalate(DBP), Benzylbutyl phthalate(BBP) and Diisobutyl phthalate(DIBP) by GC-MS.

This Test Report is issued by the Company subject to its Conditions of Issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined herein. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

# Test Report

No.: EG200108511CMVer.1.0

Date: Jan. 14, 2020

Page 2 of 26

**Test Results** : Please refer to next page (s).

This Test Report is issued by the Company subject to its Conditions of Issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

# Test Report

No.: EG200108511CMVer.1.0

Date: Jan. 14, 2020

Page 3 of 26


## Conclusion:

STANDARD	CONCLUSION
1. RoHS Directive(EU) 2015/863 amending Annex II to Directive 2011/65/EU -Pb, Cd, Hg, Cr(VI), PBBs, PBDEs	PASS
2. RoHS Directive(EU) 2015/863 amending Annex II to Directive 2011/65/EU -Phthalates (DBP, BBP, DEHP, DIBP) contents (Client's Requirement)	PASS


Signed for and on behalf of

EMTEK (SUZHOU) CO., LTD

Prepared by:

  
Zhuang Yongchan, Betty  
Assistant Engineer

Reviewed by:

  
Jiang Yufeng, Jason  
Technical supervisor

Approved by:

  
Yuan Qi, Mickey  
Authorized signatory  
Jan. 14, 2020

This Test Report is issued by the Company subject to its Conditions of Issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.