



ROHS CERTIFICATION

Distributed by: JBM CAMPLLONG, S.L.U.

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

CIF (VAT number): B17419292

Product's description: LED PILOT FOR TOWING BAR - LEFT

Manufacturer's reference: TB-63

Distributor's reference: 54160L

The declaration object complies 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, and the following standards:

Standard	Title	Edition/ Date
IEC63231-3-1	Determination of certain substances in electrotechnical products - Part 3-1: Screening - Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry	2013
IEC63231-5	Determination of certain substances in electrotechnical products - Part 5: Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS	2013
IEC63231-6	Determination of certain substances in electrotechnical products - Part 6: Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography-mass spectrometry (GC-MS) (Endorsed by AENOR in October of 2015.)	2015
IEC63231-7-1	Determination of certain substances in electrotechnical products - Part 7-1: Determination of the presence of hexavalent chromium (Cr(VI)) in colorless and colored corrosion-protected coatings on metals by the colorimetric method (Endorsed by AENOR in February of 2016.)	2015
IEC63231-7-2	Determination of certain substances in electrotechnical products - Part 7-2: Hexavalent chromium - Determination of hexavalent chromium (Cr(VI)) in polymers and electronics by the colorimetric method (Endorsed by Asociación Española de Normalización in August of 2017.)	2017
IEC63231-4	Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS	2013
IEC63231-8	Determination of certain substances in electrotechnical products - Part 8: Phthalates in polymers by gas chromatography-mass spectrometry (GC-MS), gas chromatography-mass spectrometry using a pyrolyzer/thermal desorption accessory (Py/TD-GC-MS) (Endorsed by Asociación Española de Normalización in August of 2017.)	2017

Signed by:



Eduard Godoy

Purchasing department director

Girona, 17th August, 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
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, 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, 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 'Mickay'.

(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.

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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 disjointed 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 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.

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

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Conclusion:

STANDARD

CONCLUSION

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

PASS

PASS

Prepared by: Betty
Zhuang Yongchan, Betty
Assistant Engineer

Reviewed by: Jason
Jiang Yufeng, Jason
Technical supervisor

Signed for and on behalf of
EMTEK (SUZHOU) CO., LTD

Approved by: Mickey
Yuan Qi, Mickey
Authorized signatory
Jan. 14, 2020

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