

| Test Report | No.: | CANEC23009889813 | Date: | Sep 22, 2023 | Page 1 of 8 |
|-----------------|-----------------------------|-------------------------------|----------------|--------------|-------------|
| Client Name: | GUANGZHOU | TIANXIN PHOTOELECT | RIC CO.,LTD | | |
| Client Address: | #15-1, JINGU DISTRICT,GU | ROAD SOUTH,XIUTANG ANGZHOU | ,HUADONG T(| OWN,HUADU | |
| Sample Name: | N | Iulti-Color COB LED | | | |
| The above sam | ple(s) and infor | mation were provided by t | he client. | | |
| | | | | | |
| SGS Job No.: | G | ZP23-013561 | | | |
| Sample Receivi | ng Date: S | ep 13, 2023 | | | |
| Testing Period: | S | ep 13, 2023 ~ Sep 21, 20 | 23 | | |
| Test Requested | l: S | elect test(s) as requested | by the client. | | |
| Test Method(s): | P | lease refer to next page(s |). | | |
| Test Result(s): | Р | lease refer to next page(s |). | | |
| Test Requirer | | | | | Conclusion |
| | · · · | 5/863 amending Annex II t | | minated | |

| EU RoHS Directive (EU) 2015/863 amending Annex II to Directive | |
|---|------|
| 2011/65/EU- Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated | |
| biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl) | Pass |
| phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and | |
| Diisobutyl phthalate (DIBP) | |

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jessieli

Jessie-JX Li Approved Signatory





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction form exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@ess.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guargahou, Guargadong, China 510663 中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86–20) 82155555 www.sgsgroup.com.cn t (86–20) 82155555 sgs.china@sgs.com



Test Report

No.: CANEC23009889813

Date: Sep 22, 2023

Page 2 of 8

Test Result(s):

Test Part Description:

| SN ID | Sample No. | SGS Sample ID | Description |
|-------|------------|-------------------------|---|
| SN1 | A23 | CAN23-0098898-0001.C023 | Colorless transparent/white/yellow soft material w/ chip |
| SN2 | A24 | CAN23-0098898-0001.C024 | Silvery sheet w/ grey and white surface & chip and soft material |

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES, UV-Vis and GC-MS.

| Test Item(s) | Limit | Unit(s) | MDL | A23 | A24 |
|------------------------------------|-------|---------|-----|-----|-----|
| Cadmium(Cd) | 100 | mg/kg | 2 | ND | ND |
| Lead (Pb) | 1000 | mg/kg | 2 | ND | 10 |
| Mercury (Hg) | 1000 | mg/kg | 2 | ND | ND |
| Hexavalent Chromium (Cr(VI)) | 1000 | mg/kg | 8 | ND | ND |
| Polybromobiphenyl (PBBs) | 1000 | mg/kg | - | ND | ND |
| Monobromobiphenyl (MonoBB) | - | mg/kg | 5 | ND | ND |
| Dibromobiphenyl (DiBB) | - | mg/kg | 5 | ND | ND |
| Tribromobiphenyl (TriBB) | - | mg/kg | 5 | ND | ND |
| Tetrabromobiphenyl (TetraBB) | - | mg/kg | 5 | ND | ND |
| Pentabromobiphenyl (PentaBB) | - | mg/kg | 5 | ND | ND |
| Hexabromobiphenyl (HexaBB) | - | mg/kg | 5 | ND | ND |
| Heptabromobiphenyl (HeptaBB) | - | mg/kg | 5 | ND | ND |
| Octabromobiphenyl (OctaBB) | - | mg/kg | 5 | ND | ND |
| Nonabromobiphenyl (NonaBB) | - | mg/kg | 5 | ND | ND |
| Decabromobiphenyl (DecaBB) | - | mg/kg | 5 | ND | ND |
| Polybromodiphenyl ether(PBDEs) | 1000 | mg/kg | - | ND | ND |
| Monobromodiphenylether (MonoBDE) | - | mg/kg | 5 | ND | ND |
| Dibromodiphenylether (DiBDE) | - | mg/kg | 5 | ND | ND |
| Tribromodiphenylether (TriBDE) | - | mg/kg | 5 | ND | ND |
| Tetrabromodiphenylether (TetraBDE) | - | mg/kg | 5 | ND | ND |
| Pentabromodiphenylether (PentaBDE) | - | mg/kg | 5 | ND | ND |
| Hexabromodiphenylether (HexaBDE) | - | mg/kg | 5 | ND | ND |
| Heptabromodiphenylether (HeptaBDE) | - | mg/kg | 5 | ND | ND |
| Octabromodiphenylether (OctaBDE) | - | mg/kg | 5 | ND | ND |
| Nonabromodiphenylether (NonaBDE) | - | mg/kg | 5 | ND | ND |



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86–20) 82155555 www.sgsgroup.com.cn t (86–20) 82155555 sgs.china@sgs.com



| Tes | t Report No.: CAN | EC23009889813 | Dat | e: Sep 22, | 2023 | Page 3 of |
|-----|------------------------------------|---------------|---------|------------|------|-----------|
| | Test Item(s) | Limit | Unit(s) | MDL | A23 | A24 |
| | Decabromodiphenylether (DecaBDI | Ξ) - | mg/kg | 5 | ND | ND |
| | Dibutyl Phthalate(DBP) | 1000 | mg/kg | 50 | ND | ND |
| | Benzyl Butyl Phthalate(BBP) | 1000 | mg/kg | 50 | ND | ND |
| | Bis-(2-ethylhexyl) Phthalate(DEHP) | 1000 | mg/kg | 50 | ND | ND |
| | Diisobutyl Phthalate(DIBP) | 1000 | mg/kg | 50 | ND | ND |

Notes:

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.

(2) IEC 62321 series is equivalent to EN 62321 series.

(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exconerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@gss.com

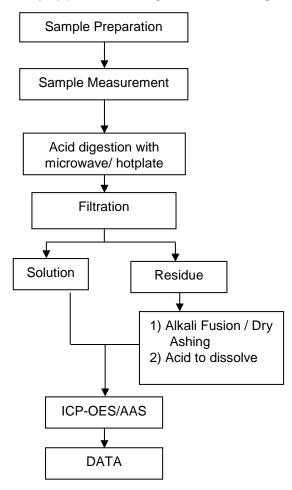
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86–20) 82155555 www.sgsgroup.com.cn t (86–20) 82155555 sgs.china@sgs.com



No.: CANEC23009889813

Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exconerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@gss.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86–20) 82155555 www.sgsgroup.com.cn t (86–20) 82155555 sgs.china@sgs.com

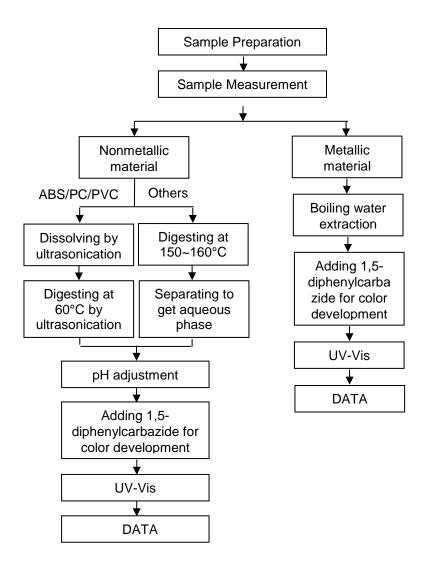


No.: CANEC23009889813

Date: Sep 22, 2023

Page 5 of 8

Hexavalent Chromium (Cr(VI)) Testing Flow Chart





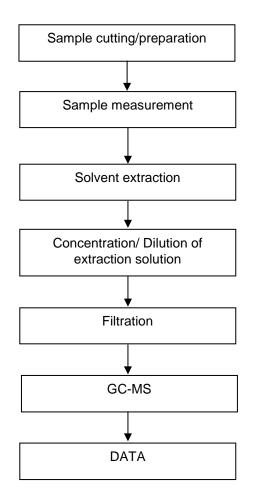
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exconerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@gss.com

No.198, Kazhu Read, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86–20) 82155555 www.sgsgroup.com.cn t (86–20) 82155555 sgs.china@sgs.com



No.: CANEC23009889813

PBBs/PBDEs Testing Flow Chart





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@gss.com

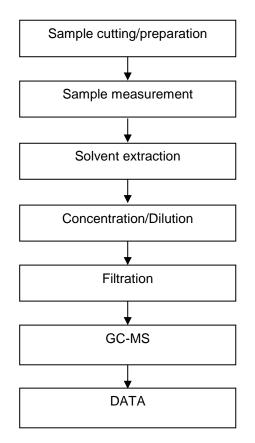
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86–20) 82155555 www.sgsgroup.com.cn t (86–20) 82155555 sgs.china@sgs.com



No.: CANEC23009889813

Date: Sep 22, 2023

Phthalates Testing Flow Chart





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@gss.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86–20) 82155555 www.sgsgroup.com.cn t (86–20) 82155555 sgs.china@sgs.com







SGS authenticate the photo on original report only *** End of Report ***



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>https://www.sgs.com/en/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exconerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@egs.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86–20) 82155555 www.sgsgroup.com.cn t (86–20) 82155555 sgs.china@sgs.com