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Report No. A2240315771101006

Company Name ZHEJIANG RECTRON ELECTRONIC CO., LTD. shown on Report Address 28# LIZHENG ROAD, HUIMIN DISTRICT, JIASHAN COUNTY, JIAXING CITY, ZHEJIANG PROVINCE, CHINA/111# CHENGGONG ROAD, HUIMIN DISTRICT, JIASHAN COUNTY, JIAXING CITY, ZHEJIANG PROVINCE, CHINA

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

| Sample Name | Lead Wire/Lead Frame |
|----------------------------|--|
| Material | Cu |
| Sample Received Date | Jun. 11, 2024 |
| Testing Period | Jun. 11, 2024 to Jun. 18, 2024 |
| Test Requested | As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Beryllium(Be), Antimony(Sb), Phthalates, Asbestos in the submitted sample(s). |
| Test Method/Test Result(s) | Please refer to the following page(s). |

Chen Kaimon Approved Chen Kaimin Approved Signatory 2024 戴 19 entre Testing International Pinbiao (Shanghai) Co., Ltd. No.1351, Wanfang Road, Minhang District, Shanghai, China

JasonZhing

Jason Zhang Approved Signatory

No. R748861269

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Test Method

| Tested Item(s) | Test Method | Measured | |
|--|--|--------------|--|
| | Test memor | Equipment(s) | |
| Lead (Pb) | IEC 62321-5:2013 | ICP-OES | |
| Cadmium (Cd) | IEC 62321-5:2013 | ICP-OES | |
| Mercury (Hg) | IEC 62321-4:2013+AMD1:2017 CSV | ICP-OES | |
| Hexavalent Chromium (Cr(VI)) | IEC 62321-7-1:2015 | UV-Vis | |
| Polybrominated Biphenyls (PBBs) | IEC 62321-6:2015 | GC-MS | |
| Polybrominated Diphenyl Ethers (PBDEs) | IEC 62321-6:2015 | GC-MS | |
| Phthalates (DBP, BBP, DEHP, DIBP) | IEC 62321-8:2017 | GC-MS | |
| D-melliner(D-) | Refer to US EPA 3050B:1996 & US EPA | | |
| Bery lium(Be) | 6010D:2018* | ICP-OES | |
| Antimony (Ch) | Refer to US EPA 3050B:1996 & US EPA | ICD OFS | |
| Antimony (30) | 6010D:2018* | ICP-OES | |
| Phthalates(BBP,DMEP,DEHP,DBP,DNHP/DHEXP, | D. C. J. FN 14272 2004/EN* | COM | |
| DPP/DPENP,DIBP,DIDP,DINP,DIPP,DNOP,NIPP) | Kerer to EN $14372:2004(E)^*$ | GC-MS | |
| Ashartas | ISO 22262-1:2012+NIOSH 9000:2015+NIOSH | | |
| Asbestos | 9002:1994 | PLM+XRD | |

Test Result(s)

| Tested Item(s) | Result | MDI |
|---------------------|--------|---------------------------------------|
| | 006 | |
| Lead (Pb) | N.D. | 2 mg/kg |
| Cadmium (Cd) | N.D. | 2 mg/kg |
| Mercury (Hg) | N.D. | 2 mg/kg |
| Hexavalent Chromium | N D Y | $0.10 \text{ ug/cm}^2 (I \text{ OO})$ |
| (Cr(VI)) | N.D. | 0.10 μg/clif (LOQ) |



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Result Tested Item(s) MDL 006 **Polybrominated Biphenyls (PBBs)** Monobromobiphenyl N.D. 5 mg/kg N.D. Dibromobiphenyl 5 mg/kg Tribromobiphenyl N.D. 5 mg/kg Tetrabromobiphenyl N.D. 5 mg/kg Pentabromobiphenyl N.D. 5 mg/kg Hexabromobiphenyl N.D. 5 mg/kg N.D. Heptabromobiphenyl 5 mg/kg Octabromobiphenyl N.D. 5 mg/kg N.D. 5 mg/kg Nonabromobiphenyl Decabromobiphenyl N.D. 5 mg/kg

| Tested Item(a) | Result | MDI |
|--------------------------------|---------|---------|
| lested Item(s) | 006 | |
| Polybrominated Diphenyl Ethers | (PBDEs) | |
| Monobromodiphenyl ether | N.D. | 5 mg/kg |
| Dibromodiphenyl ether | N.D. | 5 mg/kg |
| Tribromodiphenyl ether | N.D. | 5 mg/kg |
| Tetrabromodiphenyl ether | N.D. | 5 mg/kg |
| Pentabromodiphenyl ether | N.D. | 5 mg/kg |
| Hexabromodiphenyl ether | N.D. | 5 mg/kg |
| Heptabromodiphenyl ether | N.D. | 5 mg/kg |
| Octabromodiphenyl ether | N.D. | 5 mg/kg |
| Nonabromodiphenyl ether | N.D. | 5 mg/kg |
| Decabromodiphenyl ether | N.D. | 5 mg/kg |

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| Tested Item(s) | Result | MDI |
|--------------------------------|--------|------------|
| lesteu item(s) | 006 | |
| Phthalates (DBP, BBP, DEHP, DI | BP) | |
| Dibutyl phthalate (DBP) | ND | 50 m a/la |
| CAS#:84-74-2 | N.D. | 50 mg/kg |
| Butyl benzyl phthalate (BBP) | ND | 50 mg/kg |
| CAS#:85-68-7 | N.D. | JU mg/kg |
| Di-(2-ethylhexyl) phthalate | ND | 50 mg/l/s |
| (DEHP) CAS#:117-81-7 | N.D. | 50 mg/kg |
| Diisobutyl phthalate (DIBP) | ND | 50 ma/laa |
| CAS#:84-69-5 | IN.D. | 50 mg/kg |

| Tested Item(s) | Result | MDI |
|----------------|--------|----------|
| itsitu item(s) | 006 | |
| Beryllium (Be) | N.D. | 10 mg/kg |

| Tested Item(s) | Result | MDI |
|----------------|--------|----------|
| resteu rtem(s) | 006 | |
| Antimony (Sb) | N.D. | 10 mg/kg |

| Tested Item(s) | Result | MDI | |
|-------------------------------|--------|-------------|--|
| | 006 | IVID'L | |
| Phthalates | | | |
| Dibutyl phthalate (DBP) | ND | 50 mg/kg | |
| CAS#:84-74-2 | N.D. | 50 mg/kg | |
| Butyl benzyl phthalate (BBP) | ND | 50 ma/ka | |
| CAS#:85-68-7 | N.D. | 50 mg/kg | |
| Di-(2-ethylhexyl) phthalate | ND | 50 mg/kg | |
| (DEHP) CAS#:117-81-7 | N.D. | JU IIIg/Kg | |
| Di-n-octyl phthalate (DNOP) | N.D. | 50 mg/kg | |
| CAS#:117-84-0 | | | |
| Di-isononyl phthalate (DINP) | ND | 50 m s /les | |
| CAS#:28553-12-0,68515-48-0 | N.D. | 50 mg/kg | |
| Di-iso-decyl phthalate (DIDP) | ND | 50 mg/kg | |
| CAS#:26761-40-0,68515-49-1 | IN.D. | JU mg/kg | |

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| Tested Item(s) | Result | MDL | |
|--------------------------------|--------|------------|--|
| | 006 | | |
| Phthalates | | | |
| Diisobutyl phthalate (DIBP) | ND | 50 m a/la | |
| CAS#:84-69-5 | N.D. | 50 mg/kg | |
| Dipentyl phthalate (DPP/DPENP) | N.D. | 50 mg/kg | |
| CAS#:131-18-0 | | 50 mg/kg | |
| Di-n-hexyl phthalate | N.D. | 50 mg/kg | |
| (DNHP/DHEXP) CAS#:84-75-3 | | | |
| Bis(2-methoxyethyl) phthalate | ND | 50 ma/ka | |
| (DMEP) CAS#:117-82-8 | N.D. | 50 mg/kg | |
| Diisopentylphthalate (DIPP) | ND | 50 mg/l/s | |
| CAS#:605-50-5 | N.D. | 50 mg/kg | |
| N-Pentyl-isopentyl phthalate | ND | 100 ma/ka | |
| (NIPP) CAS#:776297-69-9 | N.D. | 100 mg/kg | |

| Motorial Cotogory | Substances/CAS Numbers | Results |
|-----------------------------|-----------------------------------|---------|
| Material Category | | 006 |
| Asbestos (CAS 1332-21-4) | Chrysotile/12001-29-5 | N.A.D. |
| | Crocidolite/12001-28-4 | N.A.D. |
| | Amosite /12172-73-5 | N.A.D. |
| | Tremolite Asbestos/ 77536-68-6 | N.A.D. |
| | Actinolite Asbestos /77536-66-4 | N.A.D. |
| | Anthophyllite Asbestos/77536-67-5 | N.A.D. |

Sample/Part Description

| No. | CTI Sample ID | Description |
|-----|---------------|----------------|
| 1 | 006 | Cupreous metal |



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Remark: The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury, Beryllium, Antimony. -MDL = Method Detection Limit -N.D. = Not Detected (<MDL or LOQ) -mg/kg = ppm = parts per million -LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is 0.10 µg/cm² - ▼The sample is negative for Cr(VI) – The Cr(VI) concentration is below 0.10 µg/cm². The coating is considered a non-Cr(VI) based coating. Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing. -N.A.D.= No Asbestos Detected(<Limit of detection) Note: "*" indicates the method(s) is (are) not in CNAS accreditation scope.

Explanation (Asbestos)

-The limit of detection of this method is defined as the detection and identification of one fibre or fibre bundle in the amount of sample examined. With appropriate matrix reduction procedures that are tailored to the nature of the sample, the limit of detection can be significantly lower than 0.1%.

- The estimated concentration(s) of the asbestos varieties detected in ranges is/are as follows: Trace (<0.1%), 0.1% ~ 5%, 5% ~ 50%, and 50% ~ 100%.

-Even after disintegration it can be very difficult, or impossible, to detect the presence of asbestos in some asbestos-containing bulk materials using polarized light microscopy. These materials often contain milled asbestos with too small fibre diameter and length to be detected.

-X-ray diffraction analysis cannot discriminate the particle shape in analytical sample and detects not only asbest os of fibrous form but also non-fibrous minerals related to asbest os such as serpentine minerals and/or amphibole minerals if they coexist.

-CTI Asbestos Testing Center has established strict quality assurance and supervision procedures in accordance with international standard. And the laboratory participates in the AIMS* every year (three times per year) to confirm our proficiency.

*The Asbestos in Materials Scheme (AIMS) is an international inter-laboratory testing scheme, and it is managed by the Health and Safety Laboratory (HSL) which on behalf of the Health and Safety Executive (HSE) of UK.

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Test Process

1. Lead (Pb), Cadmium (Cd)



2. Mercury (Hg)



3. Hexavalent Chromium (Cr(VI))



4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



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5. Phthalates





Examined by stereo microscopy

XRD



Analysed by Plorized Light Microscopy



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Photo(s) of the sample(s)

Statement:

- 1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
- 2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
- 3. The result(s) shown in this report refer(s) only to the sample(s) tested;
- 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 / CNAS-GL015:2022;
- 5. Without written approval of CTI, this report can't be reproduced except in full;
- 6. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

*** End of Report ***

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Appendix

Client Reference Information

0402/0603/1.5KE/A405/AKM/BDB/BR-10/BR-15W/BR-3/BR-6/BR-8/BKM/CSP/D2PAK/D3K/DB/BDB/DB LS/DBS/DFN5x6EP/DFN0603/DFN0603-2L/DFN1006/DFN1006-2/2L/DFN1006-3/3L/DFN1610/DFN2.6*2.6 -10L/DFN2×2-3L/DFN2510/DFN2X2-6L/DFN3.3X3.3/DFN3x3/DFN4120-10L/DFN5x6/DFN5X6-8L/DFNW B0.6*0.3/DI5/D015/D0201AD/D0-213AB/D0218/D0218AB/D0277/D034/D035/D041/D041G/DPAK/ES OP-8/HR-MS/HVM/HVML/HVP/ITO220/ITO220A/ITO220AC/KBL/KBP/KBPG/LL34/LL41/LMDS/MB-F/ MBM/MDA/MDC/MDF/MDK/MDS/MDSJ/MELF/MICRO-MELF/MINI-MELF/MP-15/MP-15W/MP-25/ MP-25W/MP-35/MP-35W/MP-40/MP-50/MP-50W/MSBM/MSBS/MSOP10/MT-35/MT-35W/ PDFN5X6P/PPAK3x3/PPAK5X6/POFN2X2/PDFN2X2/R1/R10000H/R12000H/R10KH/R12KH/ R16KH/R2/R3/R30KH/R4/R5/R6/R7/R8KH/R9KH/RB-15/RBU/RBUH/RC-2/RS1/RS1L/ RS10M/RS10MLS/RS15M/RS15MLS/RS1M/RS2/RS20M/RS20MLS/RS25MLS/RS2L/RS2M/ RS30M/RS35M/RS35TB/RS40M/RS485/RS4L/RS4M/RS50M/RS6/RS6L/RS60M/RS6M/ RS-6MLS/RS8/RS8L/RS8M/S35VB/S50VB/SBR/SC-75/SOT416/SKBPC/SLDBS/SlimPAO/SlimPAO-1/SLM DS/SLPDS/SMA (DO214AC) /SMAF/SMA-S/SMB (DO214AA) /SMBF/SMB-F/SMC (DO214AB) / SMX/SOD123/SOD123F(L)/SOD123F(L)-1/SOD123FH/SOD123FL/SOD123S/SOD123ST/SOD12 3FL-1/SOD323/SOD323F/SOD523/SOD523F/SOD723/SOD80C/SOD882/SOD923/SOF2-4/SOP-8L/SOP-14/ SOP-8/SOT89/SOT143/SOT223/SOT223-2L/3L/SOT227/SOT23/SOT23-3L/SOT23-3S/SOT23-5/SOT236/ SOT23-6/6L/SOT26/SOT323/SOT323FL/SC70/SOT346/SOT353/SOT363/SOT363-6L/SOT523/SOT563/ SOT723/SOT883/SOT89/SOT89-3L/SSOD923 /SSOT-6L/Sub-SMA/TO126/TO263/TO220/TO220-3L/ TO220A/TO220A-1/TO220AB/TO220AC/TO220C/TO220F/TO220FAC/TO247/TO247-3L/TO247S/TO251/ T0252/T0252-5L/T03P/T092/T092L/T092S/T0LL9/TQFN16/TS0T23-5/TDFN2x2-6L/TS0T23-6L/ TSSOP14/TSSOP-8/TO126/TO126F/TO262/TO252-4L/TO-3P/UDFN-3L/WBFBP-02C/WOM/WLCSP-10L/ X3DFN2/ULBF

Client Reference Photo (Non-tested sample)



Statement:

- 1. The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.
- 2. The Appendix Information is/are the supplement(s) for the Report A2240315771101006.