

Report No: 4918314.51

CONSTRUCTION ASSESSMENT REPORT (BEFORE SHIPMENT)

To : SOTECH-INTERNATIONAL Tel : 01 48 93 93 10
Attn : Mikael ASSAYAG Email : m.assayag@techwood.fr
Manufacturer Name : Clouds Crane Technology Co., Ltd.
Manufacturer Location : No.9 of Yongning Road,Tongguang Industrial zone, Yuyao,
Ningbo, China
PO : --
Product type : Kettle
Manufacturer Model : BK710-E
Reference.
Client Model Reference. : TB-1031
Client Model code. : --
Country of destination : --



Applicable standards : EN 60335-2-15:2016 + A11:2018 +A1:2021 +A2:2021
+A12:2021
EN 60335-1:2012 + A11:2014 + A13:2017 + A1:2019 +
A14:2019 + A2:2019 +A15:2021
Documents provided : Test report 23P-002452 issued on 2023-06-12 by Hermes
Hansecontrol Technical Testing Service (Shanghai) Company
limited
Samples picked by : Manufacturer on : ---
Samples received in Dekra
Laboratory on : 1) 2024-04-08
2) 2024-05-07
Amount of samples received : 1) 4 pcs
2) 1 pc
Clauses checked : 1) Clause 7, 8, 15.102, 16.3, 19.101, 20-29, 22.103, 30.2
2) Clause 15.102 and 22.103
This Document includes : 13 pages
Date of Construction check : 1) 2024-04-09 to 2024-04-22
and/or testing : 2) 2024-05-07 to 2024-05-11
3) 2024-05-14
Result : Pass

RESULTS

The measurement result is considered in conformance with the requirement if it is within the prescribed limit, it is not necessary to calculate the uncertainty associated with the measurement result.
 This report is not used for social proof in China.
 This report shall not be reproduced, except in full, without the written approval.
 The test results presented in this report relate only to the object tested.

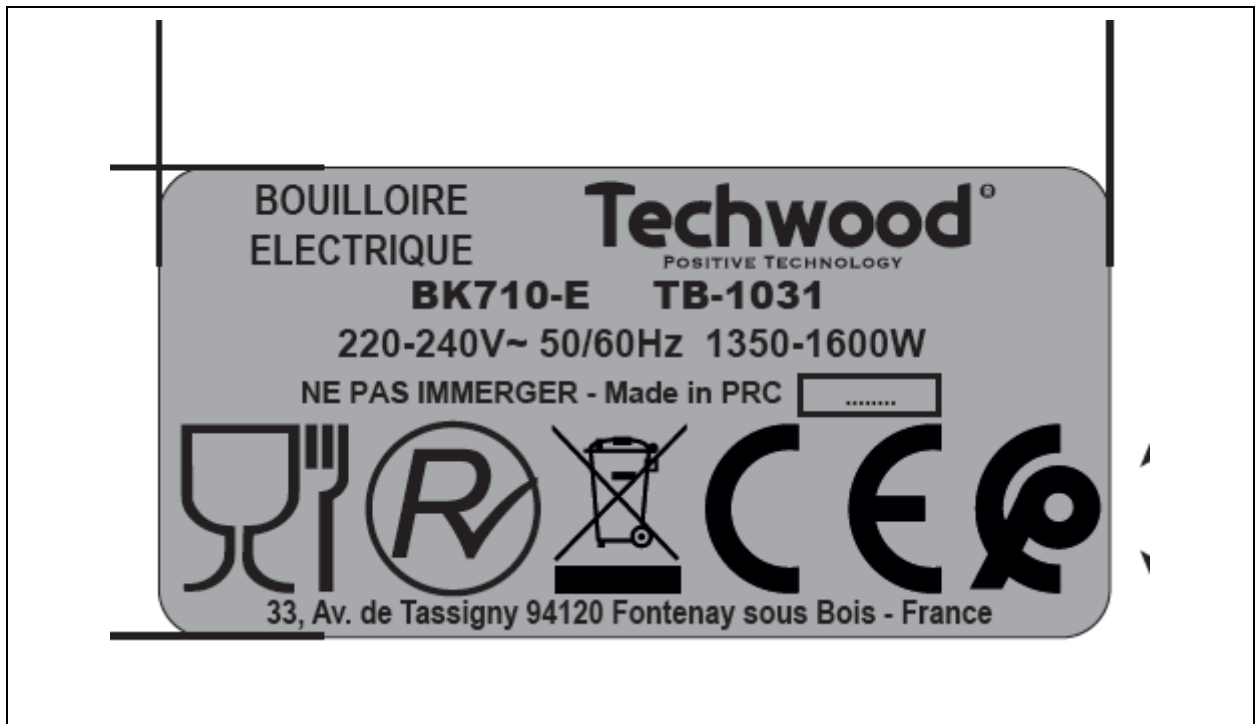
| Clauses | Comments | Pass | Fail | Remark / Note | Comment |
|-------------------|---|------|------|---------------|---------|
| | General | X | | N1 | |
| 7 | Markings and instructions | X | | N2, N3 | |
| 8 | Protection against access to live parts | X | | | |
| 15 ⁽¹⁾ | Moisture resistance | X | | | |
| 16.3 | Electric strength | X | | | |
| 19 ⁽²⁾ | Abnormal test | X | | | |
| 20 | Stability and mechanical hazards | X | | | |
| 21 | Mechanical strength | X | | | |
| 22 ³⁾ | Construction | X | | | |
| 23 | Internal wiring | X | | | |
| 24 | Components | X | | R1 | |
| 25 | Supply connection and external flexible cords | X | | | |
| 26 | Terminals for external conductors | X | | | |
| 27 | Provision for earthing | X | | | |
| 28 | Screws and connections | X | | | |
| 29 | Creepage distances, clearances and distances through insulation | X | | | |
| 30 ⁽⁴⁾ | Resistance to heat and fire | X | | | |

- This construction assessment only refers to a construction analysis without any power on test or any use of laboratory equipments (except cl.15.102, 16.3, 19.101, 22.103, 30.2)
- (1) only cl.15.102 are considered.
- (2) only cl.19.101 are considered.
- (3) additional 22.103 is considered
- (4) only cl.30.2 are considered.
- N=note, R=remark, P=pass

PRODUCT DATA

| | | | Remarks |
|--|---|--|---------|
| Test item particulars | : | Kettle | |
| Class of protection against electric shock | : | Class I | |
| Degree of protection against moisture | : | --- | |
| Type of cord attachment | : | Type Y attachment | |
| Type of motor | : | --- | |
| Supply connection | : | Non-detachable power cord fitted with plug | |
| Accessories provided | : | --- | |

RATING LABEL



LIST OF COMPONENTS

| Object/part No. | Manufacturer/ trademark | Type/model | Technical data | Mark(s) of conformity |
|---|------------------------------------|-----------------------|--|----------------------------------|
| Plug | QIAOPU | D03 | 250 V~, 16 A | VDE |
| Power cord | QIAOPU | H05VV-F | 3G 0,75 mm ² (length ≤ 0.75m) | VDE |
| Connector on base | FADA | KSD-169-2 | 220-250 V, 10A | TUV SUD |
| Connector with thermal cutout on kettle | FADA | KSD-169-C | 220-250 V, 10A | TUV SUD |
| Temperature limiter | FADA | SL-888 | 220-250 V, 10A, | TUV SUD |
| Heating element | Not identified | BXL-1 | 220-240 V, 1350-1600 W | --- |
| Internal wire | Not identified | Not identified | Not identified | --- |

RESULTS DESCRIPTION

General


| Description of the Note |
|--|
| N1: This model appearance wasn't listed on the LVD report provided by the factory; The appearance of this model cannot be checked. |

Clause 7 Markings and instructions

| Description of the Note |
|--|
| N2. Only electronic rating label in English is checked. It shall be written in an official language of the country in which the appliance is to be sold. The following tests are not performed: CE marking should be at least 5mm in height WEEE mark should be at least 7mm in height The label shall be durable for rubbing test |

| Description of the Note |
|---|
| N3. For instruction, only electronic user manual in english is checked. It cannot check the size of capital letters on PDF It shall be written in an official language of the country in which the appliance is to be sold. Requirement in standard: The height of the characters (instructions related to the safe operation of this appliance (as given in 7.12 of the specified 60335 series standard, measured on the capital letters, shall be at least 3 mm. |



Clause 24 Markings and instructions

| Description of the Remark | | | | |
|--|----------------|----------------|----------------|----|
| R1: The following component not listed in LVD report | | | | |
| Internal wire | Not identified | Not identified | Not identified | -- |
| Modification and result: | | | | |
| Pass 2024-05-14 Factor already provided declaration letter. | | | | |
| <p style="text-align: center;">Declaration</p> <p>We here by declare that the internal wires for model TB-1031orTB-1036(BK710-E) would be used by Cixi Shuanghong Wire Co., Ltd of H05SJ-K 1x0,75 mm2, T180. as same as our LVD report 23p-002452.</p> <p>We here by declare that the internal wires for model TB-1746V(BK1707) would be used by Cixi Shuanghong Wire Co., Ltd of H05SJ-K 1x0,75 mm2, T180. as same as our LVD report DSS_NBES210300136102.</p> <p>If there are any issues, our company will bear all consequences.</p> <p style="text-align: center;"> 2024.5.14</p> | | | | |

Test table

| 10.1 | TABLE: Power input deviation | | | | | | Pass |
|--------------|------------------------------|--------------------|--------------|-----------|------|-----------|------|
| Test Voltage | Rated input [W] | Measured input [W] | Measured [A] | Deviation | P.F. | Limit [%] | |
| 220 at 50 Hz | 1350 | 1325.7 | 6.0 | -1.8% | 1.0 | +5 / -10% | |
| 220 at 60 Hz | 1350 | 1324.6 | 6.0 | -1.9% | 1.0 | +5 / -10% | |
| 240 at 50 Hz | 1600 | 1567.3 | 6.5 | -2.0% | 1.0 | +5 / -10% | |
| 240 at 60 Hz | 1600 | 1567.1 | 6.5 | -2.1% | 1.0 | +5 / -10% | |

| Clause | Test | Observation / test result | Verdict |
|--------------------------|---|--|---------|
| 15.102 | The stand is placed on a horizontal surface and 30 ml of water containing approximately 1 %NaCl is poured onto the connecting device. The solution is poured steadily through a tube having an inner diameter of 8 mm over a period of 2 s, the lower end of the tube being 200 mm above the connecting device. | Comply with electric strength test in cl.16.3 for reinforced insulation at 2500 V Breakdown: <input checked="" type="checkbox"/> Yes; <input type="checkbox"/> No | Failed |
| 15.102 Retest 2024-05-11 | The stand is placed on a horizontal surface and 30 ml of water containing approximately 1 %NaCl is poured onto the connecting device. The solution is poured steadily through a tube having an inner diameter of 8 mm over a period of 2 s, the lower end of the tube being 200 mm above the connecting device. | Comply with electric strength test in cl.16.3 for reinforced insulation at 2500 V Breakdown: <input type="checkbox"/> Yes; <input checked="" type="checkbox"/> No | Pass |

| Clause | Test | Observation / test result | Verdict |
|--------|--|---|---------|
| 22.103 | <p>The appliance coupler of cordless appliances shall be constructed to withstand the stresses occurring during normal use.</p> <p>The two live pins of the appliance are connected together and an external resistive load is connected in series with the supply. The external load is such that the current is 1,1 times rated current.</p> <p>The appliance is placed on its stand and withdrawn 10 000 times at a rate of approximately 10 times per minute. The test is continued without current flowing for a further 10 000 times for cordless kettles.</p> | <p>Rated current: 6,7 A Test current: 7,3 A</p> <p>Kettle fit for use. <input type="checkbox"/> Yes; <input checked="" type="checkbox"/> No;</p>  | Failed |
| 22.103 | <p>The appliance coupler of cordless appliances shall be constructed to withstand the stresses occurring during normal use.</p> <p>The two live pins of the appliance are connected together and an external resistive load is connected in series with the supply. The external load is such that the current is 1,1 times rated current.</p> <p>The appliance is placed on its stand and withdrawn 10 000 times at a rate of approximately 10 times per minute. The test is continued without current flowing for a further 10 000 times for cordless kettles.</p> | <p>Rated current: 6,7 A Test current: 7,3 A</p> <p>Kettle fit for use. <input checked="" type="checkbox"/> Yes; <input type="checkbox"/> No;</p>  | Pass |

| | | | |
|--|---|-----------------------------------|-------------|
| 19.13 | TABLE: Abnormal operation, temperature rises | | Pass |
| --- | Test power and voltage..... | 1.15 x 1600 W = 1840 W at 259.7 V | |
| Cl.19.101, operated at 1,15 times rated power, one thermal cut-out that operates during the test of 19.4 and all thermal controls that operate during the test of Cause 11 are short circuited simultaneously, empty pot, away from the walls. | | | |
| Thermocouple locations | | dT (K) | Max. dT (K) |
| Room ambient at beginning (t1, °C) | | 22.8 | Ref. |
| Room ambient at the end (t2, °C) | | 22.6 | Ref. |
| Power cord | | 32.6 | 150 |
| Test corner | | 20.3 | 150 |
| Observation: The protective device operated, no hazards. | | | |

| | | | | | | | |
|----------------------------|---|-----|----|-----|----|---------|-----|
| 30.2 | TABLE: Resistance to heat and fire – Glow wire tests | | | | | Pass | |
| Object/ Part No./ Material | Glow wire test (GWT); (°C) | | | | | Verdict | |
| | 550 | 650 | | 750 | | | 850 |
| | | te | ti | te | ti | | |
| Enclosure | - | - | - | 0s | 0s | - | P |

Report No: 4918314.51

Please note that every statement made in this report is only valid for the samples tested and reported herein.

Trusting to have informed you sufficiently, we remain,
With best regards

DEKRA Testing and Certification (Shanghai) Ltd.
Guangzhou Branch

Engineer name : Kyle Zhang

Engineer signature :



Reviewed by : Lily Cai

Reviewer signature :



Pictures of sample



Front view



Rear view



Side view



Side view



Top view



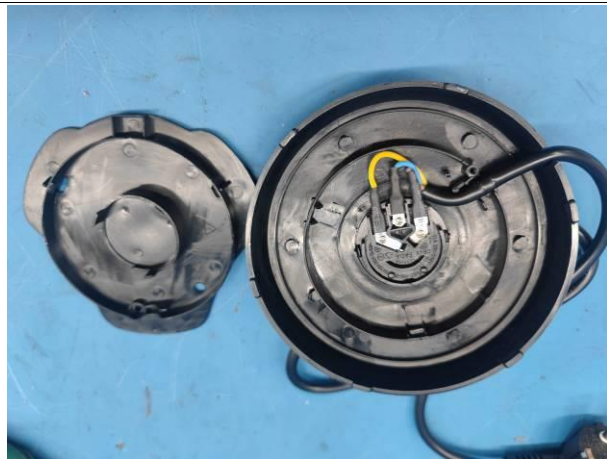
Bottom view



Water level meter



Container inside view



Base inside view



Connector on base



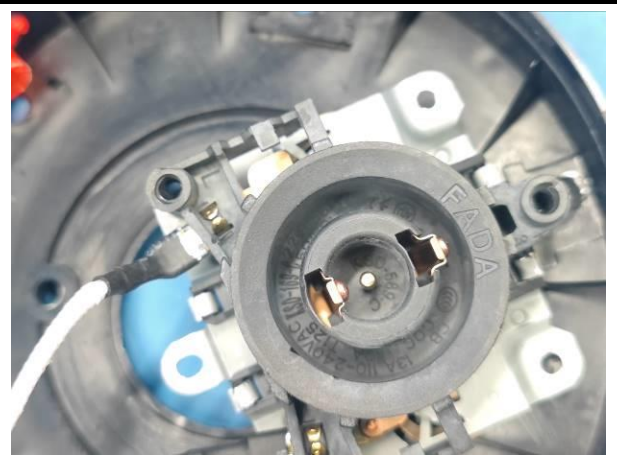
Kettle inside view



Kettle inside view



Temperature limiter



Thermal cutout



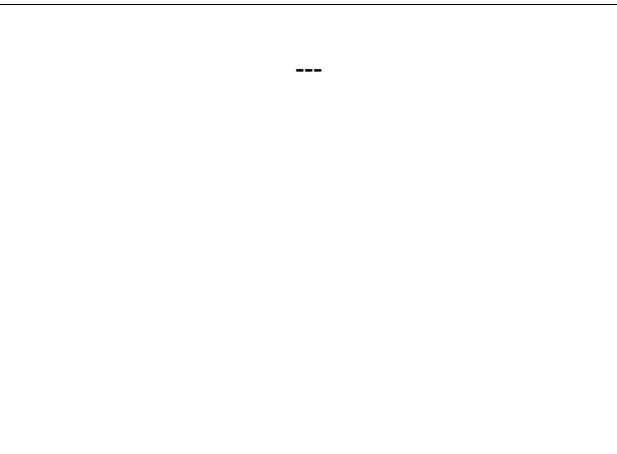
Thermal cutout



Heating element



Earthing terminal



--- End of the report ---