




Test report no.: <i>Prüfbericht-Nr.:</i>	15000119 026	Order No.: <i>Auftragsnr.:</i>	180263906	Page 1 of 19 <i>Seite 1 von 19</i>
Client reference no.: <i>Kunden-Referenz-Nr.:</i>	N/A	Order date: <i>Auftragsdatum:</i>	2023-05-29	
Client: <i>Auftraggeber:</i>	Ningbo Zhongdi Industry & Trade Co., Ltd. Jishigang Industry Zone Yinzhou District Ningbo 315171 P.R. China			
Test item: <i>Prüfgegenstand:</i>	Soldering Iron			
Identification / Type no.: <i>Bezeichnung / Typ-Nr.:</i>	ZD-99, ZD-919, ZD-929A, ZD-929B, ZD-929C, ZD-8936			
Order content: <i>Auftrags-Inhalt:</i>	Type Test			
Test specification <i>Prüfgrundlage:</i>	EN 60335-1:2012+A11+A13+A1+A14+A2+A15 EN 60335-2-45:2002+A1+A2 EN 62233:2008 AfPS GS 2019:01 PAK EK1 527-12 Rev. 2			
Date of sample receipt: <i>Wareneingangsdatum:</i>	2023-05-29			
Test sample no: <i>Prüfmuster-Nr.:</i>	A003433463			
Testing period: <i>Prüfzeitraum:</i>	2023-05-29 to 2023-06-01			
Place of testing: <i>Ort der Prüfung:</i>	TÜV Rheinland /CCIC (Ningbo) Co., Ltd			
Testing laboratory: <i>Prüflaboratorium:</i>	TÜV Rheinland /CCIC (Ningbo) Co., Ltd			
Test result*: <i>Prüfergebnis*:</i>	Pass			
tested by: Lien Xie <i>geprüft von:</i>	authorized by: Huafeng Gong <i>genehmigt von:</i>			
Date: 2023-06-13 <i>Datum:</i>			Issue date: 2023-06-13 <i>Ausstellungsdatum:</i>	
Position / Stellung:	PE	Position / Stellung:	Authorizer	
Other: <i>Sonstiges:</i>	1. Update standards. 2. Add alternative components listed in table 24.1(Bold type). Attachment 1: Construction check report(5 pages)			
Condition of the test item at delivery: <i>Zustand des Prüfgegenstandes bei Anlieferung:</i>	Test item complete and undamaged Prüfmuster vollständig und unbeschädigt			
* Legend:	P(ass) = passed a.m. test specification(s)	F(ail) = failed a.m. test specification(s)	N/A = not applicable	N/T = not tested
* Legende:	P(ass) = entspricht o.g. Prüfgrundlage(n)	F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark. <i>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</i>				

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Remarks
Anmerkungen

- | | |
|----------|---|
| 1 | <p>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</p> <p><i>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.</i></p> <p><i>Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</i></p> |
| 2 | <p>As contractually agreed, this document has been signed digitally only. TÜV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TÜV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged.</p> <p><i>Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben.</i></p> |
| 3 | <p>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report. Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</p> <p><i>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</i></p> |
| 4 | <p>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</p> <p><i>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezueglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.</i></p> |

TEST REPORT
IEC 60335-2-45
Safety of household and similar electrical appliances
Part 2: Particular requirements for portable heating tools

Report Number.: See cover page

Date of issue: See cover page

Total number of pages.....: See cover page

Applicant's name.....: Ningbo Zhongdi Industry & Trade Co.,Ltd.

Address: Jishigang Industry Zone Yinzhou District Ningbo 315171 P. R. China

Test specification:

Standard: IEC 60335-2-45:2002 (Third edition) + A1:2008 + A2: 2011 used in conjunction with IEC 60335-1:2010 (Fifth Edition) (including corrigendum 1:2010)

Test procedure.....: GS mark & CE LVD

Non-standard test method.....: N/A

Test Report Form No......: IEC60335_2_45H

Test Report Form(s) Originator.....: LCIE

Master TRF: Dated 2012-08

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This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

Test item description: Soldering Iron

Trade Mark: N/A

Manufacturer.....: Ningbo Zhongdi Industry & Trade Co.,Ltd.
Jishigang Industry Zone Yinzhou District Ningbo 315171 P. R. China

Model/Type reference: ZD-99, ZD-919, ZD-929A, ZD-929B, ZD-929C, ZD-8936

Ratings: AC220-240V; 50Hz; Class I
40-48W: ZD-99;
25W(Max.48W): ZD-919, ZD-929A, ZD-929B, ZD-929C;
60W(Max.90W): ZD-8936

Testing procedure and testing location:		
<input checked="" type="checkbox"/>	Testing Laboratory:	TÜV Rheinland /CCIC (Ningbo) Co., Ltd.
Testing location/ address		3F,Building C13, R&D Park, No.32 Lane 299 Guanghua Road, National Hi-Tech Zone, Ningbo 315048 China
<input type="checkbox"/>	Associated Laboratory:	
Testing location/ address		
Tested by (name + signature)		See cover page
Approved by (name + signature)		See cover page
<input type="checkbox"/>	Testing procedure: TMP	
Testing location/ address		
Tested by (name + signature)		
Approved by (name + signature)		
<input type="checkbox"/>	Testing procedure: WMT	
Testing location/ address		
Tested by (name + signature)		
Witnessed by (name + signature)		
Approved by (name + signature)		
<input type="checkbox"/>	Testing procedure: SMT	
Testing location/ address		
Tested by (name + signature)		
Approved by (name + signature)		
Supervised by (name + signature) ...		
<input type="checkbox"/>	Testing procedure: RMT	
Testing location/ address		
Tested by (name + signature)		
Approved by (name + signature)		
Supervised by (name + signature) ...		

Summary of testing: Pass	
Foreseeable use was considered. Currently neither a safeguard clause procedure has been invoked nor is an increase in accidents known for this/these product(s).	
Tests performed (name of test and test clause): New alternative PCB was subjected to clause 30.1 and Annex E. ZD-99 equipped with new alternative Interconnection cords(GJX-3) was subjected to clause 25.14. Visual construction check was conducted on models ZD-8936 no change was identified.	Testing location: TÜV Rheinland /CCIC (Ningbo) Co., Ltd. 3F,Building C13, R&D Park, No.32 Lane 299 Guanghua Road, National Hi-Tech Zone, Ningbo 315048 China
Summary of compliance with National Differences DE(DE=Germany) and EU Group Differences The product fulfils the requirements of EN 60335-1:2012+A11+A13+A1+A14+A2+A15 EN 60335-2-45:2002+A1+A2, EN 62233:2008, AfPS GS 2019:01 PAK, EK1 527-12 Rev. 2	
Copy of marking plate Refer to Test Report No.15000119 001~025	

Test item particulars	
Classification of installation and use	Portable appliance
Supply Connection	Supply cord fitted with a plug (Type Y attachment)
Possible test case verdicts:	
- test case does not apply to the test object.....	N/A
- test object does meet the requirement	P (Pass)
- test object does not meet the requirement.....	F (Fail)
Testing	
Date of receipt of test item	See cover page
Date (s) of performance of tests	See cover page
General remarks: <p>The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory. "(see Enclosure #)" refers to additional information appended to the report. "(see appended table)" refers to a table appended to the report.</p> <p>Throughout this report a <input type="checkbox"/> comma / <input checked="" type="checkbox"/> point is used as the decimal separator.</p>	
General product information: <p>ZD-99, ZD-919, ZD-929A, ZD-929B, ZD-929C are soldering irons for household use only. Each appliance comprise a soldering station and a soldering iron, and use electronic circuit control heating function. The temperature of soldering tip can be adjusted by temperature knob on the control panel. The relationships between them are described as below:</p> <ol style="list-style-type: none"> For ZD-99, the heating element is Ni-Cr resistance material, and there is no transformer inside. For other appliances, the heating element is PTC material, and there is a safety isolating transformer with appliance. Most constructions and components are different except for the safety-isolated transformer between ZD-919 and ZD-929A, ZD-929B, ZD-929C. ZD-929A, ZD-929B and ZD-929C share same constructions and components except the temperature display. ZD-929A use power-on LED indication. LED indication of ZD-929B use 12 LED bar-type temperature read-out. ZD-929C use digital display. ZD-99, ZD-919 and ZD-929C are selected for the test. 	
Amendment 1 report: <p>The original Test Report Ref. No.15000199 001, dated 2002-02-08 was additionally modified on 2003-12-16 to change the address of the license.</p> <p>The address was changed from "OU LAN QIAO WANG CHUN INDUSTRY ZONE NINGBO, 315715 P.R. CHINA" to "Jishigang Industry Zone, Yinzhou District ,Ningbo 315171, P.R.China".</p>	
Amendment 2 report: <p>The original Test Report Ref. No. 15000199 001, dated 2002-02-08 was additionally modified on 2008-01-08 for standard update.</p> <p>The standard was updated from the original EN 60335-1:1994+A1+A2++A11+A12+A13+A14+A15+A16, EN 60335-2-45:1996 to EN 60335-1:2002+A1+A11+A12+A2, EN 60335-2-45:2002 and EN 50366:2003+A1. Sample construction checks were performed and the product was found identical to the original one.</p> <p>Differences between standard new edition and old edition are checked, EMF test was performed and passed. The report contain IEC report page 2 to 67 and new amendment page 68 to 93.</p>	

Amendment 3 report:

The original Test Report Ref. No. 15000119 001, dated 2002-02-08 was additionally modified on 2009-06-29 for PAHs assessment.

Amendment 4 report:

The original Test Report Ref. No. 15000119 001, dated 2002-02-08 was additionally modified on 2009-08-19 to add new switches.

Amendment 5 report:

The original Test Report Ref. No. 15000119 001, dated 2002-02-08 was additionally modified on 2010-08-06 to add the test data of Annex G and alter the clause 6.1, clause 7.1, clause 25.7(page 78), clause 30.2.3.1(page 92 to page 93) of Test Report No.15000119 003.

Amendment 6 Report:

The original Test Report Ref. No. 15000119 001, dated 2002-02-08 was additionally modified on 2011-03-09 to add alternative power cord and power plug. The power cord and power plug have been type approved.

Amendment 7 Report:

The original Test Report Ref. No. 15000119 001, dated 2002-02-08 was additionally modified on 2011-09-20 to update the standard.

The standard was updated from original EN 60335-1:2002+A1+A11+A12+A2; EN 60335-2-45: 2002 and EN 50366:2003+A1 to EN 60335-1:2002+A1+A11+A12+A2+A13+A14; EN 60335-2-45: 2002+A1 and EN 62233:2008. Construction check performed and CDF of all models was revised.

Amendment 8 Report:

The original Test Report Ref. No. 15000119 001, dated 2002-02-08 was additionally modified on 2012-05-31 to issue co-license of 51091(Wentronic GmbH)

Amendment 9 Report:

The original Test Report Ref. No. 15000119 001, dated 2002-02-08 was additionally modified on 2013-09-11 to update the standard.

The standard was updated from original EN 60335-1:2002+A1+A11+A12+A2+A13+A14, EN 60335-2-45: 2002+A1 and EN 62233:2008 to EN 60335-1:2012, EN 60335-2-45:2002+A1+A2, EN 62233:2008 and ZEK 01.4-08/11.11.

For details of color and material of PAHs related parts, refer to PAHs reports listed in Annex 2 of test report.

Amendment 10 Report:

The original Test Report Ref. No.15000119 001, dated 2002-02-08 was additionally modified on 2014-05-04 to add alternative type approved fuse holder to models ZD-929A, ZD-929B, ZD-929C.

CDF was updated

Amendment 11 Report:

The original Test Report Ref. No.15000119 001, dated 2002-02-08 was additionally modified on 2014-07-01 to add alternative construction for ZD-919, ZD-929A, ZD-929B, ZD-929C.

In the new alternative construction, the earthing terminal was replaced by welding.

Amendment 12 Report:

The original Test Report Ref. No.15000119 001, dated 2002-02-08 was additionally modified on 2015-01-29 to issue co-license.

Amendment 13 Report:

The original Test Report Ref. No.15000119 001, dated 2002-02-08 was additionally modified on 2015-09-09 to add alternative power cord and Interconnection cord to model ZD-99, for detail see the bold in table 24.1.

CDF of ZD-99 was revised.

Amendment 14 Report:

The original Test Report Ref. No.15000119 001, dated 2002-02-08 was additionally modified on 2016-02-

26 to include following changes :

1. Update Standards from EN 60335-1:2012, EN 60335-2-45:2002+A1+A2 , EN 62233:2008, ZEK 01.4-08/11.11 to EN 60335-1:2012+A11, EN 60335-2-45:2002+A1+A2, EN 62233:2008, AfPS GS 2014:01.
2. Add alternative power plug for all models except ZD-99. For detail see the bold in table 24.1.
3. Add alternative power cord for all models. For detail see the bold in table 24.1.
4. For models ZD-919, ZD-929A, ZD-929B, ZD-929C, modify the rated power input from 25W(48W) to 25W(Max.48W). The new rated power input complies with the standard.
5. Add new model ZD-8936. It is soldering iron for household use only.
6. For new model ZD-8936, it is equipped inside with a power switch, an electronic controller, transformer and PTC heating element. The transformer of soldering iron in ZD-8936 is same as the safety-isolated transformer of soldering iron ZD-919 which was certified in previous test report.
7. CDF was revised.

Amendment 15 Report:

The original Test Report Ref. No.15000119 001, dated 2002-02-08 was additionally modified on 2016-03-23 to issue co-license.

Amendment 16 report:

The original Test Report No. 15000119 001, dated 2002-02-08 was additionally modified on 2016-04-08 to issue LVD COC according to 2014/35/EU.

This test report is only valid together with test report 15000119 001-016.

Amendment 17 report:

The original Test Report No. 15000119 001, dated 2002-02-08 was additionally modified on 2016-12-01 to Including following changes:

1. Modify the soldering iron part of ZD-99, after assessment, ZD-99 was subjected to tests of Cl.10, Cl.11, Cl.13, Cl.25.14, Cl.27.5 and Cl.30.1.
2. Add X2 capacitor in ZD-8936, after assessment, ZD-8936 was subjected to test of Cl.22.5.
3. Add alternative power plug and power cord for all models. For detail see the bold in table 24.1.
4. Add alternative interconnection cord for ZD-99. For detail see the bold in table 24.1, CDF was revised.
5. Photo document for all models was revised.

Amendment 18 report:

The original Test Report No. 15000119 001, dated 2002-02-08 was additionally modified on 2016-12-08 to issue co-license.

Amendment 19 report:

The original Test Report No. 15000119 001, dated 2002-02-08 was additionally modified on 2018-02-09 to issue co-license.

Amendment 20 report:

The original Test Report No. 15000119 001, dated 2002-02-08 was additionally modified on 2019-01-02 to add alternative components as below:

- 1.Add alternative switch for all models.
 - 2.Add alternative X2 capacitor(Aid Electronics corporation) for ZD-99.
 3. Add alternative X2 capacitor(Tenta Electric Industrial Co. Ltd.) for ZD-919, ZD-929A, ZD-929B, ZD-929C, ZD-8936.
 - 4.Add alternative PCB for ZD-919, ZD-929A, ZD-929B, ZD-929C, ZD-8936.
- CDF was revised.

This test report is only valid together with test report 15000119 001-020.

Amendment 21 report:

The original Test Report No. 15000119 001, dated 2002-02-08 was additionally modified on 2019-09-23 to add alternative components (power plug, power cord, interconnection cord, switch, PCB material).

More details see Cl.24.1 bold part.

CDF was revised.

Amendment 22 report:

The original Test Report No. 15000119 001, dated 2002-02-08 was additionally modified on 2020-01-08 to change PCB in soldering iron of ZD-8936. After evaluation, no test needed.

More details see photo documentation.

Amendment 23 report:

The original Test Report No. 15000119 001, dated 2002-02-08 was additionally modified on 2020-06-28 to modify as below:

1.Update standards from EN 60335-1:2012+A11, EN 60335-2-45:2002+A1+A2, EN 62233:2008, AfPS GS 2014:01 to EN 60335-1:2012+A11+A13+A1+A14+A2, EN 60335-2-45:2002+A1+A2, EN 62233:2008, AfPS GS 2019:01 PAK.

2.Add alternative plugs, power cords for all models. Add alternative switch for all models except ZD-919. Add alternative thermal link for transformer.

More details see Cl.24.1 bold part. CDF was revised.

Amendment 24 report:

The original Test Report No. 15000119 001, dated 2002-02-08 was additionally modified on 2021-07-21 to change the fixing means of SELV output connector on the station of ZD-8936. For details see photo document of this amended test report.

Amendment 25 report:

1. Update standards from “EN 60335-1:2012+A11+A13+A1+A14+A2” to “EN 60335-1:2012+A11+A13+A1+A14+A2+A15”.

2. Add alternative components listed in table 24.1(Bold type).

IEC 60335-2-45			
Clause	Requirement + Test	Result - Remark	Verdict
24	COMPONENTS		P
24.1	Components comply with safety requirements in relevant IEC standards		P
	List of components..... :	(see appended table)	P
25	SUPPLY CONNECTION AND EXTERNAL FLEXIBLE CORDS		P
25.14	Supply cords moved while in operation adequately protected against excessive flexing		P
	Flexing test, as described:		P
	- applied force (N) :	5N	P
	- number of flexings :	10000	P
	The test does not result in:		P
	- short-circuit between the conductors, such that the current exceeds a value of twice the rated current		P
	- breakage of more than 10% of the strands of any conductor		P
	- separation of the conductor from its terminal		P
	- loosening of any cord guard		P
	- damage to the cord or the cord guard		P
	- broken strands piercing the insulation and becoming accessible		P
30	RESISTANCE TO HEAT AND FIRE		P
30.1	External parts of non-metallic material,		P
	parts supporting live parts, and		P
	parts of thermoplastic material providing supplementary or reinforced insulation		P
	sufficiently resistant to heat		P
	Ball-pressure test according to IEC 60695-10-2		P
	External parts tested at 40 °C plus the maximum temperature rise determined during the test of clause 11, or at 75 °C, whichever is the higher; temperature (°C)..... :	(see appended table)	P
	Parts supporting live parts tested at 40°C plus the maximum temperature rise determined during the test of clause 11, or at 125 °C, whichever is the higher; temperature (°C)..... :	(see appended table)	P
	Parts of thermoplastic material providing supplementary or reinforced insulation tested at 25 °C plus the maximum temperature rise determined during clause 19, if higher; temperature (°C)..... :	(see appended table)	P

IEC 60335-2-45			
Clause	Requirement + Test	Result - Remark	Verdict
E	ANNEX E (NORMATIVE) NEEDLE-FLAME TEST		P
	Needle-flame test carried out in accordance with IEC 60695-11-5, with the following modifications:		P
7	Severities		P
	The duration of application of the test flame is 30 s ± 1 s		P
9	Test procedure		P
9.1	The specimen so arranged that the flame can be applied to a vertical or horizontal edge as shown in the examples of Figure 1		P
9.2	The first paragraph does not apply		P
	If possible, the flame is applied at least 10 mm from a corner		P
9.3	The test is carried out on one specimen		P
	If the specimen does not withstand the test, the test may be repeated on two additional specimens, both withstanding the test		N/A
11	Evaluation of test results		P
	The duration of burning not exceeding 30 s		N/A
	However, for printed circuit boards, the duration of burning not exceeding 15 s		P

24.1	TABLE: Components information(ZD-99)					P
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity	
Plug	1.Ningbo Qiaopu Electric Co., Ltd.	D03	AC250V;16A	DIN VDE 0620-1	TUV R 50286272	
	2.Friendship Enterprises International Ltd.	FE-03P	AC250V;16A	DIN VDE 0620-1	VDE 40021547	
	3.Yuyao Senlong Electrical Appliance Co.,Ltd.	SL003	AC250V;16A	DIN VDE 0620-1	VDE 40013673	
	4.Ningbo Liansheng Wire & Cable Co., Ltd.	LS03	AC250V;16A	DIN VDE 0620-1	VDE 40034732	
	5.Yuyao Siji Wire Industry Co.,Ltd	SJ-2	AC250V;16A	DIN VDE 0620-1	VDE 40003885	
	6 Yuyao Zhongjian Electric Appliance Co., Ltd.	ZJ-03	AC250V;16A	DIN VDE 0620-1	VDE 40046201	
Power cord	Ningbo Liansheng Wire & Cable Co., Ltd.	H05RN-F; H05RR-F	3G0.75mm ²	EN 50525-2-21	VDE 40033764	
	Ningbo Light-Heavy Electronics Technology Co.,Ltd.	H05RN-F; H05RR-F	3G0.75mm ²	EN 50525-2-21	VDE 40024301	
	Yuyao Siji Wire Industry Co.,Ltd	H05RN-F; H05RR-F	3G0.75mm ²	EN 50525-2-21	VDE 40019332	
	Zhejiang Jinniu Cable Co., Ltd	H05RN-F;	3G0.75mm²	EN 50525-2-21	VDE 40028195	

	Ningbo Qiaopu Electric Co., Ltd.	H05RN-F; H05RR-F	3G0,75mm²	EN 50525-2-21	TUV R 50460888
	Ningbo Qiaopu Electric Co., Ltd.	H03VV-F	3G0.5mm ² ; 3G0.75mm ²	EN 50525-2-11	TUV R 50279801
	Ningbo Qiaopu Electric Co., Ltd.	H05VV-F	3G0.75mm ²	EN 50525-2-11	TUV R 50279805
	Yuyao Senlong Electrical Appliance Co.,Ltd	H03VV-F	3G0.5mm ² ; 3G0.75mm ²	EN 50525-2-11	VDE 40009710
	Yuyao Senlong Electrical Appliance Co.,Ltd	H05VV-F	3G0.75mm ²	EN 50525-2-11	VDE 40009710
	Ningbo Light-Heavy Electronics Technology Co., Ltd.	H03VV-F	3G0.5mm ² ; 3G0.75mm ²	EN 50525-2-11	VDE 40035166
	Ningbo Light-Heavy Electronics Technology Co., Ltd.	H05VV-F	3G0.75mm ²	EN 50525-2-11	VDE 40035166
	Yuyao Siji Wire Industry Co.,Ltd	H03VV-F H05VV-F	3G0,5mm² 3G0,75mm²	EN 50525-2-21	VDE 40001417
	Ningbo Liansheng Wire & Cable Co., Ltd.	H03VV-F H05VV-F	3G0,5mm² 3G0,75mm²	EN 50525-2-21	VDE 40022054
Interconnection cord	1.Ningbo Liansheng Wire & Cable Co., Ltd.	H03VV-F	3G0,5mm ² 3G0,75mm ²	EN 50525-2-21	VDE 40022054
	2.Ningbo Qiaopu Electric Co., Ltd	H03VV-F	3G0.5mm ²	EN 50525-2-11	TUV R 50279801
	3.Ningbo Light-Heavy Electronics Technology Co.,Ltd.	H05RN-F; H05RR-F	3G0,75mm ²	EN 50525-2-21	VDE 40024301
	4.Ningbo Liansheng Wire & Cable Co., Ltd.	H05RN-F; H05RR-F	3G0.75mm ²	EN 50525-2-21	VDE 40033764
	5.Yuyao Senlong Electrical Appliance Co.,Ltd	H05VV-F H03VV-F	3G0,5mm ² ; 3G0,75mm ²	EN 50525-2-11	VDE 40009710
	6.Ningbo Light-Heavy Electronics Technology Co., Ltd.	H05VV-F H03VV-F	3G0,5mm ² ; 3G0,75mm ²	EN 50525-2-11	VDE 40035166
	7.Yuyao Siji Wire Industry Co.,Ltd	H05RN-F; H05RR-F	3G0.75mm ²	EN 50525-2-21	VDE 40019332
	8.Yuyao Siji Wire Industry Co.,Ltd	H03VV-F H05VV-F	3G0,5mm ² 3G0,75mm ²	EN 50525-2-21	VDE 40001417
	9.Ningbo Zhongdi Industry & Trade Co.,Ltd.	GJX-3	2×0.3mm² 1×0.5mm²	EN 50525-2-83 DIN 57250-1/10	TUV J 50482584
Switch	Ningbo Yinxian Lihe Switch Factory	RL3-3	AC250V;6(2)A; T125;1E4	EN 61058-1	ENEC SE/09127-31
	Zhejiang Jialong Electron Co., Ltd.	KCD1	AC250V;10(4)A; 25T105;5E4	EN 61058-1	TUV R B17 04 78983 012
	Zhejiang Jialong Electron Co., Ltd.	KCD1	AC250V;10(6)A; 25T85;1E4	EN 61058-1	VDE 40026831
X2 capacitor	1.Jiangsu Xinghua huayu Electronics Co.,Ltd.	MPX-Series	AC275V,0,1uF, 40/100/21	EN 60384-14	VDE 40022417
	2.Dain Electronics Co.,Ltd.	MPX	AC275V,0,1uF, 40/110/21	EN 60384-14	VDE 40018798
	3.SHENZHEN TENTA ELECTRICAL APPLIANCE LTD.	MEX	AC275V,0,1uF, 40/100/21	EN 60384-14	VDE 119119
	4.Aid Electronics corporation	MEX	AC275V,0,1uF, 0.33uF 40/085/21C	EN 60384-14	VDE 40028973

Internal wire	Ningbo Haoguang Electric Appliance Co.,Ltd.	H05V-K	1X0.5mm ²	EN 50525-2-31	VDE 126062*
Heating element	Ningbo Zhongdi Industry & Trade Co.,Ltd.	Ni-Cr 8020	0.07mm;1000Ω	EN 60335-1 EN 60335-2-45	Test with appliance
PCB material	Leuchte Electronics (Zhejiang) Co.,Ltd.	PFR-4	V-0 Thickness:1.5m m	EN 60335-1 EN 60335-2-45	UL E199273*
	WENZHOU ZHEN GHAO ELECTRONIC CO.,LTD	KZ	V-0 Thickness:1.5m m	EN60335-1 EN60335-2-45	UL E309178*
	GUANGDE YINGFEITE ELECTRONIC CO LTD	YFT2	V-0 Thickness:1.5m m	EN 60335-1 EN 60335-2-45	UL E466867*
	Kingboard Laminates Holdings Ltd.	KB-6160	V-0 Thickness:1.5m m	EN 60335-1 EN 60335-2-45	UL E123995*
	Wan An YuWei Electronic Co.,Ltd	USR	V-0 Thickness:1.5 mm	EN 60335-1 EN 60335-2-45	UL E511912*
Heat-shrinkable tube	1.Shenzhen Woer Heat-Shrinkable Material Co.,Ltd.	RSFR-H RSFR-H-2	600V; T125	EN 60335-1 EN 60335-2-45	UL E203950*
	2.Shenzhen Wolida Trading Co.,Ltd	RSFR-H	600V; T125	EN 60335-1 EN 60335-2-45	UL E329530*
Sleeving for connecting heating element	1.Chern-fwuh Enterprise Co.,Ltd	HST-1*	600V; 200°C	EN 60335-1 EN 60335-2-45	UL E221462*
	2.Shenzhen United Power Electronic Co.,Ltd	FSG-1	600V; 200°C	EN 60335-1 EN 60335-2-45	UL E238355*
Enclosure for handle	Formosa Idemitsu Petrochemical Corp	#1500+(f2)	PC Thickness:1.6m m	EN 60335-1 EN 60335-2-45	UL E238753*
Enclosure for station	Zhen jiang Chi Mei Chemical Co.,Ltd	PA-717CK(+)	ABS Thickness:2.5m m	EN 60335-1 EN 60335-2-45	UL E194560*
1. Provided evidence ensures the agreed level of compliance. See OD-CB2039. 2. For the mark of conformity with *, it means the components also tested with appliance accordingly. 3. BS plug must fitted with approved fuse-links having a rating appropriate to the cord fitted in accordance with table 2 of BS 1363-1.” 4. Compliance of clause is evaluated based on component license submitted by client. License copy available upon request.					

24.1	TABLE: Components information(ZD-919, ZD-929A, ZD-929B, ZD-929C, ZD-8936)				P
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity
Power plug	1.Ningbo Qiaopu Electric Co., Ltd.	D03	AC250V;16A	DIN VDE 0620-1	TUV 50286272
	2.Friendship Enterprises International Ltd.	FE-03P	AC250V;16A	DIN VDE 0620-1	VDE 40021547
	3.Yuyao Senlong Electrical Appliance Co.,Ltd.	SL003	AC250V;16A	DIN VDE 0620-1	VDE 40013673
	4.Ningbo Liansheng Wire & Cable Co., Ltd.	LS03	AC250V;16A	DIN VDE 0620-1	VDE 40034732
	5.Yuyao Siji Wire Industry Co.,Ltd	SJ-2	AC250V;16A	DIN VDE 0620-1	VDE 40003885

	6 Yuyao Zhongjian Electric Appliance Co., Ltd.	ZJ-03	AC250V;16A	DIN VDE 0620-1	VDE 40046201
Power cord	Ningbo Liansheng Wire & Cable Co., Ltd.	H05RN-F; H05RR-F	3G0.75mm ²	EN 50525-2-21	VDE 40033764
	Ningbo Light-Heavy Electronics Technology Co.,Ltd.	H05RN-F; H05RR-F	3G0.75mm ²	EN 50525-2-21	VDE 40024301
	Yuyao Siji Wire Industry Co.,Ltd	H05RN-F; H05RR-F	3G0.75mm ²	EN 50525-2-21	VDE 40019332
	Zhejiang Jinniu Cable Co., Ltd	H05RN-F;	3G0.75mm²	EN 50525-2-21	VDE 40028195
	Ningbo Qiaopu Electric Co., Ltd.	H05RN-F; H05RR-F	3G0,75mm²	EN 50525-2-21	TUV R 50460888
	Ningbo Qiaopu Electric Co., Ltd.	H03VV-F	3G0.5mm ² ; 3G0.75mm ²	EN 50525-2-11	TUV R 50279801
	Ningbo Qiaopu Electric Co., Ltd.	H05VV-F	3G0.75mm ²	EN 50525-2-11	TUV R 50279805
	Yuyao Senlong Electrical Appliance Co.,Ltd	H03VV-F	3G0.5mm ² ; 3G0.75mm ²	EN 50525-2-11	VDE 40009710
	Yuyao Senlong Electrical Appliance Co.,Ltd	H05VV-F	3G0.75mm ²	EN 50525-2-11	VDE 40009710
	Ningbo Light-Heavy Electronics Technology Co., Ltd.	H03VV-F	3G0.5mm ² ; 3G0.75mm ²	EN 50525-2-11	VDE 40035166
	Ningbo Light-Heavy Electronics Technology Co., Ltd.	H05VV-F	3G0.75mm ²	EN 50525-2-11	VDE 40035166
	Yuyao Siji Wire Industry Co.,Ltd	H03VV-F H05VV-F	3G0,5mm² 3G0,75mm²	EN 50525-2-21	VDE 40001417
	Ningbo Liansheng Wire & Cable Co., Ltd.	H03VV-F H05VV-F	3G0,5mm² 3G0,75mm²	EN 50525-2-21	VDE 40022054
Interconnection	Ningbo Zhongdi Industry & Trade Co.,Ltd.	GJX	5X0.3mm ²	EN 60335-1 EN 60335-2-45	Test with appliance
Switch for all models except ZD-919	Zhejiang Jialong Electron Co., Ltd.	KCD1	AC250V;10(4)A; 25T105;5E4	EN 61058-1	TUV B17 04 78983 012
	China Zhejiang Jialong Electron Co., Ltd.	KCD1	AC250V;10(6)A; 25T85/55;1E4	EN 61058-1	VDE 40026831
	Ningbo Yinxian Lihe Switch Factory	RL3	AC250V;6(2)A; T125;1E4	EN 61058-1	ENEC SE/09127-31
	Zhejiang Jialong Electron Co., Ltd.	KCD1	AC250V;10(4)A ; 25T105/55;5E4	EN 61058-1	TUV R 50533108
Switch for ZD-919	Ningbo Yinxian Lihe Switch Factory	RL3-3	AC250V;6(2)A; T125;1E4	EN 61058-1	ENEC SE/09127-31
	Zhejiang Jialong Electron Co., Ltd.	KCD1	AC250V;10(4)A; 25T105;5E4	EN 61058-1	TUV SUD B17 04 78983 012
	Zhejiang Jialong Electron Co., Ltd.	KCD1	AC250V;10(6)A; 25T85;1E4	EN 61058-1	VDE 40026831
	Zhejiang Jialong Electron Co., Ltd.	KCD1	AC250V;10(4)A ; 25T105/55;5E4	EN 61058-1	TUV R 50533108
Fuse for ZD-8936	1. Suzhou Walter Electronic Co. Ltd.	FSD-Serie(s)	AC250V;3.15A;	EN 60127-1 EN 60127-2	VDE 40016929
	2. Suzhou Walter Electronic Co. Ltd.	FSD-Serie(s)	AC250V;3.15A;	EN 60127-1 EN 60127-2	VDE 40016860

Fuse for ZD-929A, ZD-929B, ZD-929C, ZD-919	1. Suzhou Walter Electronic Co. Ltd.	FSD-Serie(s)	AC250V;1A	EN 60127-1 EN 60127-2	VDE 40016929
	2.Dongguan Reomax Electronics Technology Co.,Ltd	FBC	AC250V; 1A	EN 60127-1 EN 60127-2	VDE 40037392
	3. Suzhou Walter Electronic Co. Ltd.	FSD-Serie(s)	AC250V;1A	EN 60127-1 EN 60127-2	VDE 40016860
Fuse holder for ZD-929A, ZD-929B, ZD-929C, ZD-919	Hongju (Dongguan) Electronic & Metal Products Co., Ltd.	FH1	AC250V; 6.3A; PC2	EN 60127-1 EN 60127-6	VDE 40028467
Transformer	Ningbo Zhongdi Industry & Trade Co.,Ltd.	ZDT-30-6	AC220-240V; 50Hz;class 120; pri. winding: 67.0Ω(22.5°C); sec. winding: 0.914Ω(22.5°C)	EN 61558-1	TUV R 50157143
Thermal link for transformer	Aupo Electronics Co.,Ltd	A3-F	AC250V;2A; Tf125°C	EN 60691	VDE 40008720
	Xiamen Set Electronics Co. Ltd.	K3	AC250V, 2A Tf125°C	EN 60691	VDE 40017055
	Zhangzhou Aupo Electronics Co., Ltd.	A4	AC250V, Tf125 °C,1A	EN 60691	VDE 40008720
Lead wire of transformer	1.CHINA LONSID ELECTRIC CO LTD	1617	600V,105°C, 22AWG, 18AWG	EN 60335-1 EN 60335-2-45	UL E205056*
	2.CHINA LONSID ELECTRIC CO LTD	1672	300V,105°C, 22AWG, 18AWG	EN 60335-1 EN 60335-2-45	UL E205056*
	3.QIFURUI ELECTRONICS CO	1617	600V,105°C, 22AWG, 18AWG	EN 60335-1 EN 60335-2-45	UL E211048*
	4.QIFURUI ELECTRONICS CO	1672	300V,105°C, 22AWG, 18AWG	EN 60335-1 EN 60335-2-45	UL E211048*
	5.XINYA ELECTRONIC CO LTD	1617	600V,105°C, 22AWG, 18AWG	EN 60335-1 EN 60335-2-45	UL E170689*
	6.XINYA ELECTRONIC CO LTD	1672	300V,105°C, 22AWG, 18AWG	EN 60335-1 EN 60335-2-45	UL E170689*
Internal wire except lead wire of transformer	Ningbo Haoguang Electric Appliance Co.,Ltd.	H05V-K	1X0,5mm ²	EN 50525-2-31	VDE 126062*
Heating element for ZD-919	Ningbo Zhongdi Industry & Trade Co.,Ltd.	H-919	0.18mm;	EN 60335-1 EN 60335-2-45	Test with appliance
Heating element for ZD-929A, ZD-929B, ZD-929C,	Ningbo Zhongdi Industry & Trade Co.,Ltd.	H-929	0.18mm;	EN 60335-1 EN 60335-2-45	Test with appliance
Heating element for ZD-8936	Ningbo Zhongdi Industry & Trade Co.,Ltd.	H-8936	PTC;46-55Ω	EN 60335-1 EN 60335-2-45	Test with appliance

PCB	Leuchtek Electronics (Zhejiang) Co.,Ltd.	PFR-4	V-0 Thickness:1.5m m	EN 60335-1 EN 60335-2-45	UL E199273*
	Kingboard Laminates Holdings Ltd.	KB-6160	V-0 Thickness:1.5m m	EN 60335-1 EN 60335-2-45	UL E123995*
	Wan An YuWei Electronic Co.,Ltd	USR	V-0 Thickness:1.5 mm	EN 60335-1 EN 60335-2-45	UL E511912*
Heat-shrinkable tube	1.Shenzhen Woer Heat-Shrinkable Material Co.,Ltd.	RSFR-H RSFR-H-2	600V; T125	EN 60335-1 EN 60335-2-45	UL E203950*
	2.Shenzhen Wolida Trading Co.,Ltd	RSFR-H	600V; T125	EN 60335-1 EN 60335-2-45	UL E329530*
Sleeving for connecting heating element	1.Chern-fwuh Enterprise Co.,Ltd	HST-1*	600V; 200°C	EN 60335-1 EN 60335-2-45	UL E221462*
	2. QUANZHOU YIPIN (HUIYANG) INDUSTRY CO LTD	FSG-1	600V; 200°C	EN 60335-1 EN 60335-2-45	UL E238355*
Enclosure for handle	Formosa Idemitsu Petrochemical Corp	#1500+(f2)	PC Thickness:1.6m m	EN 60335-1 EN 60335-2-45	UL E238753*
Enclosure for station	Zhen jiang Chi Mei Chemical Co.,Ltd	PA-717CK(+)	ABS Thickness:2.5m m	EN 60335-1 EN 60335-2-45	UL E194560*

1. Provided evidence ensures the agreed level of compliance. See OD-CB2039.
2. For the mark of conformity with *, it means the components also tested with appliance accordingly.
3. BS plug must fitted with approved fuse-links having a rating appropriate to the cord fitted in accordance with table 2 of BS 1363-1."
4. Compliance of clause is evaluated based on component license submitted by client. License copy available upon request.

30.1	TABLE: Ball Pressure Test of Thermoplastics			P
Allowed impression diameter (mm) :		2,0		—
Object/ Part No./ Material	Manufacturer/ trademark	Test temperature (°C)	Impression diameter (mm)	
PCB	See table 24.1	125	0,8222	
Supplementary information:				

30.2/30.4	TABLE: Needle- flame test (NFT)				P
Object/ Part No./ Material	Manufacturer/ trademark	Duration of application of test flame (ta); (s)	Ignition of specified layer Yes/No	Duration of burning (tb) (s)	Verdict
PCB	See table 24.1	30	No	--	P
Supplementary information:					
NFT not relevant (or applicable) for Parts of material classified as V-0 or V-1 NFT not relevant (or applicable) for Base material of PCBs classified as V-0 or if relevant VTM-0					


Difference report of EN 60335-1:2012 /A15:2021			
Clause	Requirement + Test	Result - Remark	Verdict
20.2	Replace “dangerous” with “hazardous” (twice).		P
22.44	An appliance is child-appealing if one of the following criteria is present		N/A
	— appliance decorated using faces, cartoon like characters, or similar images;		N/A
	— appliance using shapes representing animals, characters, persons or scale models.		N/A
	An appliance is child-appealing if more than one of the following criteria are present:		N/A
	— using non-functional light (functional light is e.g. illumination of an object or area, signal indicating status of an appliance);		N/A
	— using non-functional sound (e.g. music);		N/A
	— using non-functional movement.		N/A
	If the appliance is child-appealing, has a mass less than 4 kg or is mounted or normally intended for use at a height less than 850 mm, the following conditions shall be met:		N/A
	— No surface (both functional surfaces and non-functional) that are accessible by means of test probe 19 of IEC 61032 located at a height less than 850 mm shall exceed the temperature rises stated below:		N/A
	Temperature rise		N/A
	— of bare metal 38K		N/A
	— of coated metal 42K		N/A
	— of glass and ceramic 51K		N/A
	— of plastic having a thickness exceeding 0,4 mm 58K		N/A
	— Hazardous moving parts shall not be accessible by means of test probe 19 of IEC 61032 under the conditions specified for test probe 18 in Clause 20.2.		N/A
	— Live parts shall not be accessible by means of test probe 19 of IEC 61032 under the conditions specified for test probe 18 in Clause 8.1.1.		N/A
	— Liquid in the appliance shall not exceed 38 °C in normal use when it is accessible by means of test probe 19 under the conditions specified for test probe 18 in Clause 20.2 or can get out of the appliance when positioned in different positions.		N/A
	Vessels in which two independent and sequential actions are needed to access the liquid are considered to meet the requirement.		N/A
	— The requirement of 22.12 is applicable for all accessible parts of the appliance.		N/A
	The requirement is not applicable to appliances where there is a toy shaped like the appliance.		N/A

Difference report of EN 60335-1:2012 /A15:2021			
Clause	Requirement + Test	Result - Remark	Verdict
	Compliance is checked by inspection and appropriate tests.		N/A
24.1.7	If the remote operation of the appliance is via a telecommunication network, the relevant standard for the telecommunication interface circuitry in the appliance is IEC 62151.		N/A

A	ANNEX ZA (NORMATIVE) SPECIAL NATIONAL CONDITIONS (EN)		N/A
	Modify the reference for Clause 25.8 by adding Cyprus to the countries listed		N/A
	Annex ZB A-deviations		P
	<i>Delete the second paragraph, including the note, starting with: "This European Standard/Harmonization Document"</i>		P
ZC	ANNEX ZC (NORMATIVE) NORMATIVE REFERENCES TO INTERNATIONAL PUBLICATIONS WITH THEIR CORRESPONDING EUROPEAN PUBLICATIONS		P
	The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.		P
ZF	ANNEX ZF (INFORMATIVE) CRITERIA APPLIED FOR THE ALLOCATION OF PRODUCTS COVERED BY STANDARDS IN THE EN 60335 SERIES UNDER LVD OR MD		P
	Modify the elements of the Table ZF.1		P
ZH	ANNEX ZH (INFORMATIVE) Common plug and socket-outlet types in CENELEC countries		P
	ZH.1 General		P
	NOTE: The dimensions of the plugs are purely for information. The exact dimensions of the plugs can be found in the relevant national standards.		P
	ZH.3.2 Cyprus		N/A
	Only plugs according to standard sheets GB1, GB6 and GB7 of IEC/TR 60083 are allowed.		N/A
	They correspond with plug designations: EU9, EU6 and EU10.		N/A
	ZH.3.4 Finland		N/A
	Plugs according to Publications SFS 5610 and SFS-EN 50075 are allowed.		N/A
	Plugs according to Publications SFS 5215 and SFS-EN 60309 are allowed.		N/A
	ZH.3.9 Netherlands		N/A
	Only plugs according to NEN 1020:2019 are allowed, standard sheets:		N/A

Difference report of EN 60335-1:2012 /A15:2021			
Clause	Requirement + Test	Result - Remark	Verdict
	— IV or IVa 16 A 250 V class I plug (L+N+PE) with side earthing [= TR IEC 60083 - NL 2 / EU2]		N/A
	— VII or VIIa 16 A 250 V class I plug (L+N+PE) with dual (side and pin) earthing [= TR IEC 60083 - NL 2 / EU4]		N/A
	— XVI 2,5 A 250 V class II plug (L+N): [= TR IEC 60083 - NL 3 / EU5]		N/A
	— XVII or XVIIa 16 A 250 V class II plug (L+N) [= TR IEC 60083 - NL 4 / EU7]		N/A
	— IX (Perilex) 16 A 400/230 V class I plug (L1+L2+L3+N+PE) [= EU8]		N/A
	Or plug according EN 50075 is allowed, standard sheet:		N/A
	— 1 2,5 A 250 V class II plug (L+N) [= TR IEC 60083 - NL 5 / EU6]		N/A
	These plugs are shown in IEC/TR 60083 as NL2, NL3, NL4, NL5 and DE4.		N/A
	They correspond with plug designations: EU 2, EU4, EU5, EU6, EU7 and EU8.		N/A
	ZH.3.14 Switzerland		N/A
	Supply cords of portable household and similar electrical appliances having a rated current not exceeding 16 A shall be provided with a plug complying with SN 441011-1:2019. The Table A is applicable for Plug with IP20 and Table B is applicable for plug with IP55:		N/A

<End of Test Report>

Prüfbericht-Nr.: Test report no.:	Attachment 1 of 15000119 026	Auftrags-Nr.: Order no.:	180263906	Seite 1 von 5 Page 1 of 5
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2023-05-29	
Auftraggeber: Client:	Ningbo Zhongdi Industry & Trade Co., Ltd. Jishigang Industry Zone Yinzhou District Ningbo 315171 Zhejiang P.R. China			
Prüfgegenstand: Test item:	Soldering Iron			
Bezeichnung / Typ-Nr.: Identification / Type no.:	ZD-8936			
Auftrags-Inhalt: Order content:	Type examination			
Prüfgrundlage: Test specification:	2 PfG 2516:2014-11 Checkliste für die Warenkontrollprüfung Checklist for the Product Control Test			
Wareneingangsdatum: Date of sample receipt:	2023-05-29			
Prüfmuster-Nr.: Test sample no.:	A003433463			
Prüfzeitraum: Testing period:	2023-05-29 to 2023-06-01			
Ort der Prüfung: Place of testing:	TÜV Rheinland /CCIC (Ningbo) Co., Ltd.			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland /CCIC (Ningbo) Co., Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von: tested by: Lien Xie	genehmigt von: authorized by: Huafeng Gong			
Datum: Date: 2023-06-13	Ausstellungsdatum: Issue date: 2023-06-13			
Stellung / Position:	PE	Stellung / Position:	Authorizer	
Sonstiges / Other:				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
<p>* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet</p> <p>* Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested</p>				
<p>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</p> <p><i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p>				

V05

Prüfbericht-Nr.: Attachment 1 of 15000119 026
Test Report No.:

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Produktbeschreibung
Product description

	Zertifikatsnummer <i>Certificate number</i>	S 50472563
2	Produkt <i>Product</i>	Soldering Iron
3	Produziert am <i>Manufactured at</i>	Ningbo Zhongdi Industry & Trade Co.,Ltd.
4	Fertigungsstättennummer <i>Factory number</i>	2095405

Prüfbericht-Nr.: Attachment 1 of 15000119 026
Test Report No.:

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Page 3 of 5

Absatz	2 PfG 2516:2014-11	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation
1	Produkt Product		
	Äußere Erscheinung des Musters stimmt mit der Fotodokumentation überein. <i>Outer appearance of the drawn sample is same as in photo documentation.</i>		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
	Interner Aufbau stimmt mit der Fotodokumentation überein. <i>Internal construction of the drawn sample is same as in photo documentation.</i>		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
	Es wurden nur sicherheitsrelevanten Komponenten verbaut, die CDF oder Prüfbericht benannt sind. <i>Only safety relevant components as described in CDF or Test Report have been used in the drawn sample.</i>		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
2	Typenschild Label		
	Das Typenschild entspricht dem zertifizierten. <i>The label is same as the certified one.</i>		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
	Der Ausweisinhaber, Importeur oder Bevollmächtigte ist auf dem Typenschild benannt. <i>The license holder, importer or authorized representative is displayed in the label.</i>		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
	Die Adresse (bei GS zwingend eine aus dem EWR) ist auf dem Typenschild benannt. <i>Complete postal address (for GS it must be a European address) is mentioned in the label.</i>		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
	Bei Fail: in Bedienungsanleitung angegeben <i>If fail: in the user manual</i>		
	Bei Fail: auf der Verpackung angegeben <i>if fail: on packaging</i>		
	Wenn eine CE Markierung notwendig ist, wurde diese auf dem Typenschild in dem richtigen Layout abgebildet. <i>If CE marking is mandatory, it's on the product and apparently complies with the design restrictions.</i>		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
	Wenn ein TÜV Rheinland Zeichen abgebildet ist, entspricht dies den Vorgaben. <i>In event a TUV Mark is displayed it complies with the design restrictions.</i>		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>

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Absatz	2 PfG 2516:2014-11	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation
3	Bedienungs-, Installations-, Aufbauanleitung User Manual, Installation - / Assembly Manual		
	Liegt in der richtigen Sprache vor, bei GS zwingend in deutscher Sprache, und entspricht dem zertifizierten. <i>Is available in the correct language (German version a must for GS) and the same as certified one.</i>		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
	Wenn ein TÜV Rheinland Zeichen abgebildet ist, entspricht dies den Vorgaben. <i>In event a TUV Mark is displayed it complies with the design restrictions.</i>		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
	Wenn eine Herstelleradresse angegeben ist, wurde diese komplett (bei GS zwingend eine Adresse im EWR) angegeben und stimmt mit der vom Typen-schild überein. <i>If the license holder and/or importer, authorized representative is displayed with address, it's complete (for GS it must be a European address) and correlates with the information on the rating label.</i>		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
	Wenn die Serviceadresse von der vom Hersteller, Importeur oder Bevollmächtigten abweicht, ist das akzeptabel. <i>If the address for service inquiries differs from manufacturer's, importer's or authorized representative's, it's acceptable.</i>		
4	Verpackung Packaging/Gift box		
	Wenn ein TÜV Rheinland Zeichen abgebildet ist, entspricht dies den Vorgaben. <i>In event a TUV Mark is displayed it complies with the design restrictions.</i>	Packaging not provided	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
	Der Ausweisinhaber, Importeur und/oder Bevollmächtigte ist mit auf der Verpackung benannt. <i>The license holder, importer and/or authorized representative are displayed with complete address on the packaging.</i>		P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
	Auf der Verpackung wird das Produkt nicht anders beworben als es die Zertifizierung beschreibt. Z.B. Kinder werden mit der Verpackung explizit angesprochen und aus dem Zertifikat geht hervor, dass es kein Spielzeug ist. <i>Packaging does not imply another use as certified. E.g. the package explicitly addresses but the certificate excludes use by children.</i>		P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>

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ZUSATZ-DOKUMENTATION
ADDITIONAL DOCUMENTATION

Nachweise für die in der Checkliste benannten Punkte:
Evidences found during Product Verification Test:

