

Technical Report No.: 871282405202-00

Date: 2024-08-08

Client: Name: Ningbo deli tools Co., Ltd.
Address: No.128, Chezhan West Road Huangtan Town, Ninghai County 315000 Ningbo, Zhejiang
PEOPLE'S REPUBLIC OF CHINA
Contact person: Zhao Chen

Manufacturer: Name: Ningbo deli tools Co., Ltd.
Address: No.128, Chezhan West Road Huangtan Town, Ninghai County 315000 Ningbo, Zhejiang
PEOPLE'S REPUBLIC OF CHINA
Contact person: Zhao Chen

Factory: Name: Zhejiang Dongli Electric Appliance Co., Ltd.
Address: No 29, Huacheng West Road, Chengxi New district, 321300 Yongkang, Zhejiang, PEOPLE'S REPUBLIC OF CHINA
Contact person: Bao Minglei
Trade mark: deli

Test object: Product: Jig Saw
Model: DC576 (identical to: M1Q-KK4-65 600 A)

Test specification: EN 62841-1:2015+AC:2015+A11:2022
EN 62841-2-11:2016+A1:2020

Purpose of examination:

- Testing (☒ visual / ☐ partial) for compliance with specified requirements to assess conformity with the essential safety and health requirements of the following European Directives:
Machinery Directive 2006/42/EC
- Testing and evaluation(☒ visual / ☐ partial) according to the test specification

Test result: The test results show that the presented product is in compliance with the above listed test specifications.

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1. Description of the test object

1.1 Picture(s)



1.2 Function

Manufacturer's specification for intended use: Hand-held jig saw for common use.

1.3 Consideration of the foreseeable use

- ☐ Not applicable
- ☒ Covered through the applied standard
- ☐ Covered by the following comment*
- ☐ Covered by attached risk analysis

*

1.4 Technical Data

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Model	DC576
Rated Voltage (V)	220-240V~
Rated Frequency (Hz)	50/60Hz
Rated Power (W)	600W
Protection Class	Class II
Degree of Protection	IPX0
Construction	Hand-held
Rated no load speed	1000-3000min ⁻¹

2. Order

2.1 Date of Purchase Order, Customer's Reference

2024-05-09

2.2 Test Sample(s)

- Reception date(s): 2024-05-09
- Location(s) of reception: TÜV SÜD Certification and Testing (China) Co., Ltd.
Ningbo Branch
Building 2, 1&9/F. of Building 1, Essence Adream of Space II, No.350, Jinghua Road, National Hi-Tech Industrial Development Zone, Ningbo, Zhejiang, China
- Condition of test sample(s): In good condition

2.3 Testing

- Testing date(s): 2024-08-01
- Location(s) of testing: TÜV SÜD Certification and Testing (China) Co., Ltd.
Ningbo Branch
Building 2, 1&9/F. of Building 1, Essence Adream of Space II, No.350, Jinghua Road, National Hi-Tech Industrial Development Zone, Ningbo, Zhejiang, China

2.4 Points of Non-Compliance or Exceptions of the Test Procedure

- None

3. Test Results

☒ Decision rule according to ILAC-G8:09/2019 clause 4.2.1 Binary statement for simple acceptance rule or IEC Guide 115:2023, clause 4.3.3 Simple acceptance was applied.

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Ningbo Branch TÜV SÜD Group
Building 2, 1&9/F. of Building 1, Essence Adream of Space II,
No.350, Jinghua Road, National Hi-Tech Industrial
Development Zone, Ningbo, Zhejiang, China



3.1 Positive Test Results

Test specification(s)	Report no. / Rev. No.	Date	Remark
Mechanical safety:	704031742508-03 Rev.00	2024-07-15	

Testing and/or visual inspection items are performed on model xxxx, see Appendixes for

- ☐ Application of co-license for main-license with certification mark
- ☐ Replacement of certificate with certification mark after technical (re)-evaluation
- ☒ N/A

3.2 Points of Non-Compliance according to the test specification

- ☒ None
- ☐ Yes as follows

Test specification(s)	Sub-clause	Remark
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4. Test History

Report no. / Rev. No.	Date	History
871282405202-00	2024-08-08	Original report.

5. Remarks

5.1 General

The user manual has been examined according to the minimum requirements described in the product standard. The manufacturer is responsible for the accuracy of further particulars as well as of the composition and layout.



5.2 Factory surveillance cycle

Your production facility is currently on the following surveillance cycle.

- ☐ Annual (12 month)
- ☐ Bi-Annual (6 month)
- ☐ Quarterly (3 month)
- ☒ N/A

5.3 Additional information for routine tests to be performed by the factory(ies)

Routine tests for electrical appliances / equipment:

Routine test requirements for production are described in EN 62841-1 Annex F

☒ Required

☐ Not Required

Reason for non-requirement:

- ☐ Class III product
- ☐ Other:

Test Details:

☒ Dielectric Strength

☐ Ground Continuity

☐ Insulation Resistance

☐ Leakage Current

☐ Touch Current

☐ Polarity

☒ Other: Functional check

Test Points:

BI: L/N – Chassis

RI: L/N – Secondary

AC-Inlet – Chassis
and/or

BI: L/N – Chassis

RI: L/N – Secondary

Ground - PE

Switches and
manually-
operated controls

Test Values / Limit(s):

Vac / Vdc

2500 Vac / Vdc

A ; $t \geq 1 \text{ s}$;
 $R < 0.1 \text{ Ohm } (\Omega)$

Vdc
 $R > 2 \text{ MOhm } (M\Omega)$

Vdc

mA

mA

All functions were
meet the designed
requiriment by the
manufacturer.

Routine tests for mechanical testing:

Routine test requirements for production are described in: N/A

☐ Load test

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- ☐ Pressure test
- ☐ Check of safety-relevant measurements / measurands

List of safety-relevant measures which shall be checked:

- ☐ Final check by assembling
- ☐ Functional check
- ☐ Other:

Routine test for functional safety (SCS) testing: N/A

- ☐ Verification that the tested software version no. will be installed in the test object (see *CDF*)
- ☐ Verification that the SCS components are unchanged (see *CDF*).



5.4 The co-license certificate application is based on the following main license certificate:

Certificate No.: M8A 094084 0019 Rev. 02
Report No.: 704031742508-03
License holder: Zhejiang Dongli Electric Appliance Co., Ltd.
Model No.: DC576 (identical to: M1Q-KK4-65 600 A)

5.5 When the product is placed on the market, it must be accompanied with safety Instructions written in official language of the country. The instructions shall give information regarding safe operation, installation and maintenance

5.6 When measurement results are close to limit value of specified requirement, manufacturer shall take actions during the production process to keep the limit, especially if the result of a measurement is in a bandwidth within $\pm 10\%$ to the limit value.

5.7 For EU directives and regulations which have been harmonized with (EU) 2019/1020 in its Annex I, the name, registered trade name or registered trade mark, and contact details, including the postal address of the economic operator (EU manufacturer, EU importer, EU authorised representative, or EU fulfilment service provider where no other economic operator as mentioned in the first 3 options) shall be indicated on the product or on its packing, the parcel or an accompanying document.

5.8 The economic operator has to ensure the appliance placing on the EU market conforms to the applicable EU directives and regulations which provide the affixing of the CE marking, such as LVD, EMC, RoHS, ErP, and so on.

5.9 The economic operator have to ensure the appliance contain no toxic substances in contact with food and no toxic hazard can be caused by the appliance, and conforms to EU Regulation (EC) 1935/2004 and German Food and Commodities Law, LFGB §30 & 31

5.10 All applicable hazards from EU directive 2006/42 are covered by harmonized standard

EN 62841-1:2015+AC:2015+A11:2022

EN 62841-2-11:2016+A1:2020



6. Documentation

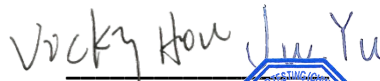
File	File name	Date
Data form (CDF):	871282405202-00 CDF	2024-08-08
User manual:	871282405202-00 MAN	2024-08-08

7. Summary

"The test specifications are met"

TÜV SÜD Certification and Testing (China) Co., Ltd. Ningbo Branch
TÜV SÜD Group

Tested by:


Vicky HOU / Huiwei YOU
(Project Handler)

Approved by:


Chaojie YOU
(Designated reviewer)