220920341025

中国认可国际
互认检测
TESTING
CNAS L4679

欧陆检测

ReportNumbe：OL2602010233

INSPECTION AND TESTING REPORT

Sample Name：Dehumidifier for Agricultural usage

Entrusting Unit：HYDRO CONTROL

Test Type：Test Type

OuLu Detection technology Service（Shanghai）Co.,Ltd.

Sample Name	Dehumidifier for Agricultural usage	Trademark	HYDRO CONTROL®
Sample Type	Client-submitted Sample	Model & Specification	TH178S
Entrusting Unit	HYDRO CONTROL		
Entrustment Address	Z.I Route de Queuille, 63780, Sant Georges de Mons, France		
Production Unit：Hebei	/		
Production Address	/		
Sample Status	Intact	Product Batch Number	/
Sample Quantity	1	Sampling Date	February 3, 2026
Production Date	/	Testing Period	February 3, 2026 - February 9, 2026
Test Basis	Based on EN IEC 61000, EN60204, EN60335		
Test Conclusion	Upon testing, all items inspected for the sample meet the requirements of the respective standards. (Seal for Inspection Only) Date of Issue： February 9, 2026		
Notes	Information related to the sample is provided as indicated on the label or from the entrusted order.		

Prepared by: Li Jiayin　　Reviewed by: Shen Wei　　Approved by: Guo Jing

Prepared by: Li Jiayin

2. Test Environment & Conditions

The test was conducted in a controlled psychrometric chamber.

Parameter	Targeted Value	Actual Measured (Avg)	Tolerance
Dry Bulb Temperature	20.0°C	20.1°C	± 0.5°C
Relative Humidity	80.0%	79.8%	± 2.0%
Atmospheric Pressure	101.3 kPa	101.1 kPa	N/A

3. Instrumentation

All instruments used are calibrated and traceable to international standards.

Instrument	Manufacturer	Model	Calibration Due Date
Psychrometer	Rotronic	HygroLog HL-NT	2026-10-15
Power Analyzer	YOKOGAWA	WT310E	2026-12-01
Digital Scale	Mettler Toledo	MS-TS	2026-08-20

4. Test Results

Test Duration: 6 Hours (Continuous operation after stabilization)

Test Metric	Result	Unit
Water Extraction Rate (C)	4.60	L / h
Power Consumption (P)	1300	Watts
Specific Energy Consumption (P/C)	0.283	kWh / L
Airflow Rate (A)	1200	m^3/h
Performance Rate = C/P	3.54	L/kWh

5. Measurement Uncertainty

The expanded uncertainty reported is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%.

* Uncertainty of Temperature: \pm 0.2^\circ C
* Uncertainty of Humidity: \pm 1.5\% RH
* Uncertainty of Capacity: \pm 2.1\%

6. Observations & Remarks

* The EUT reached a steady state within 30 minutes.
* No water leakage or abnormal vibrations were observed during the test period.
* The condensation collection system functioned according to ma

Sample Photos

========== End of Report ==========

Disclaimer:

This report is invalid without the "Special Seal for Inspection and Testing" or the official seal of the testing institution and the perforation seal.

A copied report is invalid unless re-stamped with the "Special Seal for Inspection and Testing" or the official seal of the testing institution.

This report is invalid without the signatures of the reviewer and approver, and any alterations to the report render it invalid.

Except for random inspection cases, this report is only responsible for the test results of the submitted sample.

This report shall not be used for improper publicity without the consent of the company.

No part of this report may be reproduced without the written consent of the company.

Any objections shall be raised to this institution within 15 days from the date of receiving the report; failure to do so within the time limit shall be deemed as acceptance of this report.