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TEST REPORT
COMMISSION REGULATION (EC) No 1275/2008
with amended requirements in Regulation (EU) No 801/2013

Implementing Directive 2005/32/EC(recast: 2009/125/EC) of the European Parliament and of the Council with regard to ecodesign requirements for Standby and off mode, and networked standby, electric power consumption of electrical and electronic household and office equipment

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Tested by (name + signature) ..... :	Chris Tan (Project Engineer)
Approved by (name + signature) ..... :	Brian Pan (Project Engineer)
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Testing Laboratory ..... :	**Eurofins Product Testing Service (Shanghai) Co.,Ltd**
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Applicant's name ..... :	Ningbo Jinyu Electrical Appliance Co Ltd.
Address ..... :	No.88, Jinfeng Road, Southern Economic Development Zone, Yuyao, Zhejiang, CHINA
Test specification:	
Test standard ..... :	☒COMMISSION REGULATION (EC) No 1275/2008 ☒COMMISSION REGULATION (EU) No 801/2013 ☒EN 50564: 2011
Non-standard test method..... :	N/A
Test Report Form No. ..... :	EC_1275 & EU_801_A
TRF Originator ..... :	Eurofins
Master TRF ..... :	Dated 2014-12-04

Test item description	:	Slow cooker
Trade Mark	:	--
Manufacturer	:	Same as the applicant
Model/Type reference	:	YD-1500, YD-1500A, YD-2500, YD-2500A, YD-3000, YD-3000A, YD-3500, YD-3500A, YD-4000, YD-4000A, YD-5000, YD-5000A, YD-6000, YD-6000A, YD-3500E, YD-3500EA, YD-4000E, YD-4000EA, YD-4500E, YD-4500EA, YD-5000E, YD-5000EA, YD-5500E, YD-5500EA, YD-6000E, YD-6000EA, YD-6500E, YD-6500EA, YD-7000E, YD-7000EA
Ratings	:	230-240V~, 50Hz YD-1500, YD-1500A: 100W; YD-2500, YD-2500A: 180W; YD-3000, YD-3000A, YD-3500, YD-3500A: 170W; YD-4000, YD-4000A: 190W; YD-5000, YD-5000A: 230W; YD-6000, YD-6000A: 240W; YD-3500E, YD-3500EA: 190W; YD-4000E, YD-4000EA: 210W; YD-4500E, YD-4500EA, YD-5000E, YD-5000EA: 270W; YD-5500E, YD-5500EA, YD-6000E, YD-6000EA: 260W; YD-6500E, YD-6500EA, YD-7000E, YD-7000EA: 300W

Test item particulars ..... :	
Classification of installation and use ..... :	Class I
Supply Connection ..... :	Type Y
Off mode..... :	Yes
Standby mode ..... :	No
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 ..... :	2017-12-06
Date (s) of performance of tests ..... :	2017-12-06

Summary of testing:

From the result of our inspection and tests on the submitted sample(s), we conclude they **comply with** the requirements of **COMMISSION REGULATION (EC) No 1275/2008 with amended requirements in COMMISSION REGULATION (EU) No 801/2013.**

——"implementing Directive 2005/32/EC(recast: 2009/125/EC) of the European Parliament and of the Council with regard to ecodesign requirements for Standby and off mode electric power consumption of electrical and electronic household and office equipment

General remarks:

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.

Throughout this report a comma is used as the decimal separator.

Tests and measurements have been performed in accordance with EN 50564: 2011.

Determination of the test results includes consideration of measurement uncertainty from the test equipment and methods.
The regulations on energy using products are undergoing a steady development. For testing and evaluating of the above mentioned products, the hereby applied standards and regulations are the most suitable and applicable test fundamentals for the time being. However it is possible, that these will be superseded by more product specific regulations as soon as they come into force, which might require other tests or evaluations.

General product information:

The appliances covered in this report are considered as slow cookers (each with a rotary switch), for household and indoor use.

Model similarity:

1. All the models are same except for shape of the appearance, capacity of the container, input power and name of the model.

2. YD-1500,YD-1500A,YD-2500,YD-2500A,YD-3000,YD-3000A,YD-3500,YD-3500A,YD-4000, YD-4000A, YD-5000, YD-5000A, YD-6000 and YD-6000A is one of series has same construction with cylinder shape (without letter E) except capacity of the container, input power and name of the model. With letter "A" indicates with thermostat, without "A" indicates no thermostat.

3. YD-3500E, YD-3500EA, YD-4000E, YD-4000EA, YD-4500E, YD-4500EA,YD-5000E, YD-5000EA, YD-5500E, YD-5500EA, YD-6000E, YD-6000EA, YD-6500E, YD-6500EA, YD-7000E and YD-7000EA is one of series has same construction with elliptical shape(with letter E) except capacity of the container, input power and name of the model. With letter “A” indicates with thermostat, without “A” indicates no thermostat.

4. YD-4500E, YD-4500EA, YD-5000E and YD-5000EA is the same appliance with the same capacity of container, construction, power cord except the model name and the use of capacitor called different by users. YD-4500E and YD-4500EA are same except YD-4500EA has thermostat, while YD-4500E has no thermostat. So do the models YD-5500E, YD-5500EA, YD-6000E, YD-6000EA, and the modelsYD-6500E, YD-6500EA, YD-7000E, YD-7000EA.

5. All models without thermostat was considered more unfavourable in Cl.11, so takes model without thermostat to do Cl.11 and added a test point (mounting surface) in Cl.11 for model with thermostat for reference.

So for Cylinder shape: the min. capacity model YD-1500 and the max. capacity model YD-6000 were chose to do all the tests. For Elliptical shape: the min. capacity model YD-3500E and the max. capacity model YD-7000E were chose to do all the tests.

Details see below table:
With letter “E” indicates Elliptical shape, without letter “E” indicates Cylinder shape, With letter “A” indicates with thermostat and without “A” indicates no thermostat.

Model	Input power	Shape	Capacity	Thermostat
YD-1500	100W	Cylinder	1,5L	No
YD-1500A				Yes
YD-2500	180W	Cylinder	2,5L	No
YD-2500A				Yes
YD-3000	170W	Cylinder	3,0L	No
YD-3000A				Yes
YD-3500			3,5L	No
YD-3500A				Yes
YD-4000	190W	Cylinder	4,0L	No
YD-4000A				Yes
YD-5000	230W	Cylinder	5,0L	No
YD-5000A				Yes
YD-6000	240W	Cylinder	6,0L	No
YD-6000A				Yes
YD-3500E	190W	Elliptical	3,5L	No
YD-3500EA				Yes
YD-4000E	210W	Elliptical	4,0L	No
YD-4000EA				Yes
YD-4500E	270W	Elliptical	4,5L	No
YD-4500EA				Yes
YD-5000E	270W	Elliptical	5,0L	No
YD-5000EA				Yes
YD-5500E	260W	Elliptical	5,5L	No
YD-5500EA				Yes
YD-6000E			6,0L	No
YD-6000EA				Yes

	YD-6500E	300W	Elliptical	6,5L	No	
	YD-6500EA				Yes	
	YD-7000E			7,0L	No	
	YD-7000EA				Yes	

Scope:

Appliances covered by COMMISSION REGULATION (EC) No 1275/2008 with amended requirements in Regulation (EU) No 801/2013 Implementing Directive 2005/32/EC(recast: 2009/125/EC) of the European Parliament and of the Council with regard to ecodesign requirements for Standby and off mode, and networked standby, electric power consumption of electrical and electronic household and office equipment

Definitions:

EUT – equipment under test

Standby mode(s) – a condition where the equipment is connected to the mains power source, depends on energy input from the mains power source to work as intended and provides only the following functions, which may persist for an indefinite time:

— reactivation function, or reactivation function and only an indication of enabled reactivation function, and/or

— information or status display;

Reactivation function – a function facilitating the activation of other modes, including active mode, by remote switch, including remote control, internal sensor, timer to a condition providing additional functions, including the main function;

Information or status display – a continuous function providing information or indicating the status of the equipment on a display, including clocks;

Active mode(s) – a condition in which the equipment is connected to the mains power source and at least one of the main function(s) providing the intended service of the equipment has been activated;

Off mode – a condition in which the equipment is connected to the mains power source and is not providing any function; the following shall also be considered as off mode:

— conditions providing only an indication of off-mode condition;

— conditions providing only functionalities intended to ensure electromagnetic compatibility pursuant to Directive 2004/108/EC of the European Parliament and of the Council.

EUT preparation:

The appliance shall be prepared and set up in accordance with the instruction for use, except where these conflict with the requirements of this standard and / or the relevant product performance standard. If no instructions for use are available, then factory or “default” settings shall be used, or where there are no indications for such settings, the product is tested as supplied.

If the product contains a battery and whether the product contains circuitry for recharging a rechargeable battery. Reference shall be made to determine whether there is a legal provision which specifies the conditions to be applied, otherwise the following shall apply.

- For products containing a recharging circuit, the power consumed in off mode and standby mode shall be measured after precautions have been taken to ensure that the battery is not being charged during the test, e.g. by removing the battery where this is possible, or ensuring that the battery is kept fully charged if the battery is not removable;
- A maintenance mode shall be measured with the batteries installed and fully charged before any measurements are undertaken.

Test Procedure:
The sampling method, by the use of an instrument to record power measurements at regular intervals throughout the measurement period per EN 50564: 2011, Cl. 5.3.2.

Measuring the power input in conditions **off mode and/or standby mode(s)**:

Table 1:

General conditions for measurements	
Test condition parameter	Value
Air speed test condition parameter "d" close to the EUT	≤0,5 m/s
Ambient temperature	23°C±5°C
Test voltage	230V~±1 %
Test frequency	50Hz±1 %
Total harmonic content of the test voltage at the EUT	≤2%(up to and including the 13th harmonic)
Crest factor of test voltage	1,34 – 1,49
Power measurement accuracy	≤2% (power≥0,5W)
	≤0,01W(power<0,5W)
Resolution of power meter	0,01W

Table 2:

Stage I: One year after this Regulation has come into force—Jan. 07, 2010 to Jan. 06, 2013			
Standby and off mode electric power consumption test results			
Title	In off mode power consumption (W)	In standby mode power consumption (W)	
		Standby mode A[1)]	Standby mode B[2)]
Requirement	<1,0	<1,0	<2,0
All models	0	Not applicable	Not applicable
Annex II clause 1(c)	☒ Complied, off mode and/or standby mode available. ☐ Off mode/standby mode inappropriate for the intended use, It is necessary that the user pull out the plug after use, acc. the user manual.		
Compliance	☒ Yes ☐ No		
1): Only a reactivation function or providing only a reactivation function and a mere indication of enabled reactivation function; 2): Only information or status display, or providing only a combination of reactivation function and information or status display.			

Table 3:

Stage II: Four years after this Regulation has come into force—From Jan. 07, 2013			
Standby and off mode electric power consumption test results			
Title	In off mode power consumption (W)	In standby mode power consumption (W)	
		Standby mode A[1)]	Standby mode B[2)]
Requirement	<0,5	<0,5	<1,0
All models	0	Not applicable	Not applicable
Annex II clause 2(c)	☒ Complied, off mode and/or standby mode available. ☐ Off mode/standby mode inappropriate for the intended use, It is necessary that the user pull out the plug after use, acc. the user manual.		
Annex II clause 2(d) for all equipment other than networked equipment	☐ Complied, power management or similar function available. ☒ Power management or similar function inappropriate for the intended use, It is necessary that the user pull out the plug after use, acc. the user manual.		
Compliance	☒ Yes ☐ No		
1): Only a reactivation function or providing only a reactivation function and a mere indication of enabled reactivation function; 2): Only information or status display, or providing only a combination of reactivation function and information or status display.			

Table 4:

COMMISSION REGULATION (EU) No 801/2013 requirements:		
wireless network connection(s) availability?	☐ Yes	☒ No
networked equipment	☐ Yes	☒ No
“networked standby” availability	☐ Yes	☒ No
Product type is coffee maker or not	☐ Yes	☒ No
Note 1: if all the above 4 choices are “No”, then Article 1(7)(b) are not applicable, also for other requirements related to them. Note 2: If the product type is coffee maker, check the followed table 4.1 to 4.3.		

Table 4.1:

For coffee machines, the delay time after which the product switches automatically into modes and conditions referred to in Annex II, point 2, paragraph (d)—From Jan. 01, 2015			
Model number:			
☐ For domestic drip filter coffee machines storing the coffee in an insulated jug: — Maximum of **five minutes** after completion of the last brewing cycle, or — Maximum of **30 minutes** after completion of a descaling or self-cleaning process			
Delay time (minutes):		☐ after completion of the last brewing cycle	
		☐ after completion of a descaling or self-cleaning process	
Compliance	☐ Yes	☐ No	☒ Not Applicable

Table 4.2:

For coffee machines, the delay time after which the product switches automatically into modes and conditions referred to in Annex II, point 2, paragraph (d)—From Jan. 01, 2015			
Model number:			
☐ For domestic drip filter coffee machines storing the coffee in a non-insulated jug, — Maximum of 40 minutes after completion of the last brewing cycle, or — Maximum of 30 minutes after completion of a descaling or self-cleaning process			
Delay time (minutes):		☐ after completion of the last brewing cycle	
		☐ after completion of a descaling or self-cleaning process	
Compliance	☐ Yes	☐ No	☒ Not Applicable

Table 4.3:

For coffee machines, the delay time after which the product switches automatically into modes and conditions referred to in Annex II, point 2, paragraph (d)—From Jan. 01, 2015			
Model number			
☐ For domestic coffee machines other than drip filter coffee machines, — a maximum of 30 minutes after completion of the last brewing cycle, or — a maximum of 30 minutes after activation of the heating element, or — a maximum of 60 minutes after activation of the cup preheating function, or — a maximum of 30 minutes after completion of a descaling or self-cleaning process, unless an alarm has been triggered requiring users' intervention to prevent possible damage or accident.			
Delay time (minutes):		☐ after completion of the last brewing cycle	
		☐ after activation of the heating element	
		☐ after activation of the cup preheating function	
		☐ after completion of a descaling or self-cleaning process	
Compliance	☐ Yes	☐ No	☒ Not Applicable

COMMISSION REGULATION (EC) No 1275/2008 with amended requirements in Regulation (EU) No 801/2013			
Clause	Requirement + Test	Result - Remark	Verdict
ANNEX II, Product information requirements			
7	As of 1 January 2015, the following information for networked equipment shall be visibly displayed on manufacturers' freely accessible websites……:		N/A
	(a) for each standby and/or off mode and the condition providing networked standby into which the equipment is switched by the power management function or similar function:		N/A
	— the power consumption data in Watt rounded to the first decimal place,		N/A
	— the period of time after which the power management function, or a similar function, switches the equipment automatically into standby and/or off mode and/or the condition providing networked standby;		N/A
	(b) the power consumption of the product in networked standby if all wired network ports are connected and all wireless network ports are activated;		N/A
	(c) guidance on how to activate and deactivate wireless network ports.		N/A
	The power consumption of the product in networked standby as referred to in point (b) and the guidance as referred to in point (c) shall also be included in the user manual.';		N/A
8	Measurements		--
9	Information to be provided by manufacturers		--
	For the purposes of conformity assessment pursuant to Article 4, the technical documentation shall contain the following elements:		P
	(a) for each standby and/or off mode:		P
	— the power consumption data in Watt rounded to the first decimal place,		P
	— the measurement method used,		P
	— a description of how the equipment mode was selected or programmed,		P
	— the sequence of events leading to the condition where the equipment automatically changes modes,		N/A
	— any notes regarding the operation of the equipment, e.g. information on how the user switches the equipment into a condition having networked standby,		N/A

COMMISSION REGULATION (EC) No 1275/2008 with amended requirements in Regulation (EU) No 801/2013			
Clause	Requirement + Test	Result - Remark	Verdict
	— if applicable, the default time after which the power management function, or similar function, has switched the equipment into the applicable low power mode or condition;		N/A
	(b) requirements for networked equipment:		N/A
	(c) test parameters for measurements:		P
	— ambient temperature,		P
	— test voltage in V and frequency in Hz,		P
	— total harmonic distortion of the electricity supply system,		P
	— information and documentation on the instrumentation, set-up and circuits used for electrical testing;		P
	(d) the equipment characteristics relevant for assessing conformity with the requirements set out in point 1(c), or the requirements set out in points 2(c) and/or 2(d) and/or 3(b), as applicable, including the time taken to automatically reach standby, or off mode, or another condition which does not exceed the applicable power consumption requirements for off mode and/or standby mode. In particular, if applicable, a technical justification shall be provided that the requirements set out in point 1(c), or the requirements set out in points 2(c) and/or 2(d) and/or 3(b), are inappropriate for the intended use of equipment. The need to maintain one or more network connections or to wait for a remotely initiated trigger is not considered a technical justification for exemption from the requirements set out in 2(d) in the case of equipment that is not defined as networked equipment by the manufacturer.’;		P

Photo 1.

Description: Overall view for YD-1500/YD-1500A,YD-2500/YD-2500A,YD-3000/YD-3000A,YD-3500/YD-3500A (from left to right)

Photo 2.

Description: Overall view for YD-4000/YD-4000A, YD-5000/YD-5000A, YD-6000/YD-6000A

Photo 3.

Description: Overall view for YD-1500,YD-1500A

Photo 4.

Description: Overall view for YD-3500E/YD-3500EA,YD-4000E/YD-4000EA,YD-4500E/YD-4500EA/YD-5000E/YD-5000EA (from left to right)

Photo 5.

Description: Overall view for YD-5500E/YD-5500EA/YD-6000E/YD-6000EA,YD-6500E/YD-6500EA/YD-7000E/YD-7000EA

Photo 6.

Description: Overall view for YD-4500E/YD-4500EA/YD-5000E/YD-5000EA