



GEMS Act Compliance: Check testing results July to December 2019

Purpose

This report presents the results of check tests on models of GEMS products finalised between 1 July 2019 and 31 December 2019.

Background

Check testing refers to activities undertaken to ensure models of GEMS products meet the relevant determination's GEMS level requirements, often referred to as minimum energy performance standards or MEPS, and the energy efficiency claims of manufacturers and suppliers. Check tests are conducted on behalf of the GEMS Regulator by National Association of Testing Authorities (NATA) accredited or affiliated laboratories either in Australia or overseas. Further information is available from the [GEMS Check Testing Policy](#).

GEMS Products Check Tested

Between 1 July 2019 and 31 December 2019 the GEMS Regulator finalised the check tests of 40 models of the following ten GEMS products:

GEMS Product	Number of Models
Air Conditioners	5
Close Control Air Conditioner	1
Computers	4
Clothes Washers	2
Electric Water Heaters	4
External Power Supplies	5
Gas Water Heaters	2
Incandescent Lamps	6
Refrigerators/Freezers	10
Televisions	1
Total	40

Check Test Results

Of the 40 models tested, 35 (87.5%) met the relevant determination's GEMS level requirements and the energy efficiency claims of manufacturers and suppliers at the completion of Stage (1) check testing. Five models (12.5%) did not.

Details of the 35 models that passed Stage (1) check testing are included at Attachment "A".

GEMS Regulator Responses

Of the five models that did not meet one or more of the requirements of the relevant GEMS determination at the completion of Stage (1) check testing the GEMS Regulator took the following actions:

1. At the request of the registrant of an Olimpia Splendid air conditioner, cancelled the model's registration

Registration	AAC2949
Product	Air Conditioner
Brand	Olimpia Splendid
Model	Unico Twin
Date Cancelled	24/12/2019
Registrant Name	Noirot Australia Pty Ltd
Reason Cancelled	MEPS Cooling (AEER) at rated capacity; MEPS Heating (ACOP) at rated capacity; Effective Power Input (Cooling); Capacity (Cooling); EER; AEER; Effective Power Input (Heating); Capacity (Heating); COP; ACOP

2. At the request of the registrant of an Akai refrigerator/ freezer, cancelled the model's registration

Registration	ARF1189
Product	Household Refrigerator/ Freezer
Brand	Akai
Model	AK-4D545-SS
Date Cancelled	12/09/2019
Registrant Name	Tempo (Aust) Pty Ltd
Reason Cancelled	Pull down test (fresh food compartment)

- At the request of the registrant of a Hitachi refrigerator/ freezer, cancelled the model's registration

Registration	ARF0675
Product	Household Refrigerator/ Freezer
Brand	Hitachi
Model	RV475PT5
Date Cancelled	19/12/2019
Registrant Name	Hitachi Australia Pty Ltd
Reason Cancelled	Projected annual energy consumption (PAEC)

- For a computer, accepted the registrant's undertaking to rectify the non-compliance via an update of the model's software for units already supplied to consumers and re-work sealed units in warehouse stock.
- For a refrigerator, took no further action as no stock for further testing was available in Australia in the supplier's warehouse or retail outlets.

Monitoring and Enforcing Compliance

The GEMS Regulator reminds all suppliers of GEMS products of their obligations under the [GEMS Act 2012](#). The GEMS Regulator, assisted by GEMS inspectors, monitors compliance with the GEMS Act via a GEMS Compliance Monitoring program of check testing and market surveillance. Enforcement action, in accordance with the [GEMS Compliance Policy](#), may be taken by the GEMS Regulator where contraventions of the GEMS Act are found.

Further information is available at energyrating.gov.au.

Attachment A: The 35 models that passed Stage (1) check testing

GEMS Product	Brand	Model Number
Air Conditioner	Mitsubishi Heavy Industries	FDUA140AVNXVF
Air Conditioner	Dimplex	DCSS12
Air Conditioner	Mitsubishi Electric	MXZ-2D52VA2/ MSZ-GE35VAD
Air Conditioner	Fujitsu	ASTG12KMTC / AOTG12KMTC
Close Control Air Conditioner	Stulz	CCD91A
Computer	Alienware	AW51MD12AU
Computer	Microsoft	Surface 2
Computer	Razer	RZ09-02886
Clothes Washer	Bosch	WAY32891AU
Clothes Washer	Electrolux	EFW14933
External Power Supply	Belkin	F8M731bgBLK
External Power Supply	Linden	LI90NB15
External Power Supply	Targus	APA047AU
External Power Supply	Keji	COWCSE10WH
External Power Supply	Apple	A1444
Gas Water Heater	Rinnai	GHF4170N
Gas Water Heater	Rheem	347170N0
Electric Water Heater	Dux	21ECB6N
Electric Water Heater	Thermann	26NG60-6/ 26LP60-6

GEMS Product	Brand	Model Number
Electric Water Heater	Thermann	135THM4N
Electric Water Heater	Vulcan	648135NO
Incandescent Lamp	Olsent	MR16 35W (Halogen MR16 35W 12V 470L GU5.3 Reflector 2000Hrs 3000K Warm White Dimmable)
Incandescent Lamp	Philips	35W Gu5.3 12V 60D (Halogen 35W 12V 465L GU5.3 Reflector 3000Hrs 2700K Warm White Dimmable)
Incandescent Lamp	Mirabella	MR16HW 35W 60D (Halogen 35W 12V 470L GU5.3 Reflector 2000Hrs 3000k Warm White Dimmable)
Incandescent Lamp	Philips	9256933455 (Halogen 42W 240V 610L BC 2000Hrs 2800K Warm White Dimmable)
Incandescent Lamp	Crompton	24642 (Halogen 35W 12V 487L GU5.3 MR16 Reflector 2000Hrs 3000k Dimmable)
Incandescent Lamp	Osram	64544 (Halogen 57W 240V 915L ES 2000Hrs 2800K)
Refrigerator/ Freezer	Husky	HUSCNSIL
Refrigerator/ Freezer	Hisense	HR6TFF459S
Refrigerator/ Freezer	LG	GB-W455MBL
Refrigerator/ Freezer	Westinghouse	WQE6000SA
Refrigerator/ Freezer	Fisher & Paykel	RF523GDUX1
Refrigerator/ Freezer	Haier	HR520BS
Refrigerator/ Freezer	Dimplex	DCES09-IN/ DCES09-OUT
Television	Samsung	QA65Q900RB