# 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](http://www.energyrating.gov.au/document/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 |

1. 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) |

1. 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) |

1. 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.
2. 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](https://www.legislation.gov.au/Details/C2018C00454). 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](http://www.energyrating.gov.au/document/gems-compliance-policy-e3-program), may be taken by the GEMS Regulator where contraventions of the GEMS Act are found.

Further information is available at [energyrating.gov.au](http://www.energyrating.gov.au/suppliers/compliance).

## 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 | EWF14933 |
| 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 |
| 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 |