**GEMS ACT COMPLIANCE:**

**CHECK TESTING RESULTS JULY TO DECEMBER 2017**

1. **Purpose**

This report presents the results of check tests of models of GEMS products finalised between 1 July 2017 and 31 December 2017.

1. **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).

1. **GEMS Products Check Tested**

The GEMS Regulator finalised the check tests of 45 models of the following 10 GEMS products:

|  |  |
| --- | --- |
| **GEMS Product** | **No. Models** |
| Clothes dryers | 9 |
| Computer monitors | 8 |
| Televisions | 8 |
| Air conditioners | 7 |
| Clothes washers | 3 |
| Electric storage water heaters | 3 |
| Dishwashers | 2 |
| External power supplies | 2 |
| Transformers and electronic step-down converters for ELV lamps | 2 |
| Electric motors | 1 |
| **Total** | **45** |

1. **Check Test Results**

Forty of the 45 models (89%) 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 (11%) did not.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **GEMS Product** | **Stage 1 Pass** | | **Stage 1 Fail** | |
| Clothes dryers | 9 | 100% | 0 | 0% |
| Clothes washers | 3 | 100% | 0 | 0% |
| Computer monitors | 8 | 100% | 0 | 0% |
| Electric motors | 1 | 100% | 0 | 0% |
| Transformers and electronic step-down converters for ELV lamps | 2 | 100% | 0 | 0% |
| External power supplies | 2 | 100% | 0 | 0% |
| Televisions | 8 | 100% | 0 | 0% |
| Air conditioners | 6 | 86% | 1 | 14% |
| Dishwashers | 1 | 50% | 1 | 50% |
| Electric storage water heaters | 0 | 0% | 3 | 100% |
| **Totals** | **40** | **89%** | **5** | **11%** |

In accordance with the GEMS Check Testing Policy, the registrants of the five models failing the Stage (1) check test were given the choice to arrange for Stage (2) check testing or elect to cancel the registration of the models.

The registrant of one electric storage water heater model chose to proceed to Stage (2) check testing and the model subsequently passed. The registrants of four models: a dishwasher, an air conditioner, and two electric storage water heaters, elected to cancel the registrations of the models.

Forty one models (91%) therefore met the relevant GEMS level requirements and energy efficiency claims of manufacturers and suppliers at the completion of Stage (1) and Stage (2) check testing. Four models (9%) did not.

Details of the 41 models that passed Stage (1) or Stage (2) check testing are included at Attachment “A”.

1. **GEMS Regulator Responses**

The registrants of four models: one air conditioner, one dishwasher and two electric storage hot water models elected to cancel their model’s registrations.

|  |  |  |  |
| --- | --- | --- | --- |
| **Registration** | **Brand** | **Model** | **Date of Cancellation** |
| AAC1299 | Lectroni | LSAC61V3A-WS | 07/12/2017 |
| ADW0217 | Stirling | W60B2A411B | 20/07/2017 |
| AHW0110 | Thermalec | IM0801T18 | 23/10/2017 |
| AHW0157 | Superflow | SF1251T18 | 22/11/2017 |

Further details are included at Attachment “B”.

1. **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/C2014C00303). 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 41 models that passed Stage (1) or Stage (2) check testing****.*

| **GEMS Product** | **Brand** | **Model Number** |
| --- | --- | --- |
| Air conditioners | Stirling | STR-23RSJAIF |
| Air conditioners | LG | P28AWN-N214/ P28AWN-U214 |
| Air conditioners | Fujitsu General | AGTV09LAC |
| Air conditioners | LG | UTN36WH2/UU36WH2 |
| Air conditioners | Braemar | MSHV53D1S/SCHV53D1S |
| Air conditioners | MEC | MWA24I |
| Clothes dryers | Indesit | IWDC7125B |
| Clothes dryers | Samsung | WD13J7825KP |
| Clothes dryers | Technika | TWDC1400 |
| Clothes dryers | Bosch | WTY88701AU |
| Clothes dryers | Euromaid | DE6KG |
| Clothes dryers | Hoover | DNH D8513AX-AUS |
| Clothes dryers | Asko | T754HP W |
| Clothes dryers | Samsung | DV80M5010IW |
| Clothes dryers | Esatto | ECD7 |
| Clothes washers | Samsung | WD13J7825KP |
| Clothes washers | Technika | TWDC1400 |
| Clothes washers | Gorenje | W9865E |
| Computer monitors | Philips | 278E8Q |
| Computer monitors | Altius | AL3217CM |
| Computer monitors | AOC | 195LM00003 |
| Computer monitors | Lenovo | L2264A |
| Computer monitors | Dell | S2418HT |
| Computer monitors | Ag Neovo | TM-23 |
| Computer monitors | Alienware | AW2518HF |
| Computer monitors | BenQ | XL2540-B |
| Dishwashers | Smeg | DWAFI6D15PO |
| Electric motors | Pope | PX200L-4-55 |
| Electric storage water heaters | Rheem | 50L Electric Storage (191050V7/BL) |
| Transformers and electronic step-down converters for ELV lamps | Osram | ET-REDBACK 40/230-240 |
| Transformers and electronic step-down converters for ELV lamps | Tridonic | TE-0060 Viper 60VA |
| External power supplies | Cygnett | RAW0340POGPS |
| External power supplies | Comsol | WCS24RG |
| Televisions | Akai | AK-DC402016 |
| Televisions | Jaeger | JA4300U |
| Televisions | Palsonic | PT2238C |
| Televisions | Kogan | KALED32SMTZD |
| Televisions | Bauhn | ATV40FHDC-0817 |
| Televisions | Viano | TV32DHD |
| Televisions | Platinum | PT3219LED |
| Televisions | Samsung Electronics | UA24J4100AW |

***Attachment B. The 4 GEMS registrations cancelled by the GEMS Regulator***

| **Registration** | **GEMS Product** | **Brand** | **Model** | **Registrant** | **Cancelled** | **Reasons** |
| --- | --- | --- | --- | --- | --- | --- |
| AAC1299 | Air conditioner | Lectroni | LSAC-61V3A-WS | Lectroni Pty Ltd | 07/12/2017 | Failed to meet:   * GEMS level requirements - MEPS Cooling (AEER) at rated capacity |
| ADW0217 | Dishwasher | Stirling | W60B2A411B | Tempo (Aust) Pty Ltd | 20/07/2017 | Failed to meet:   * GEMS labelling requirements - Washing index |
| AHW0110 | Electric storage water heater | Thermalec | IM0801T18 | Astivita Limited | 23/10/2017 | Failed to meet:   * GEMS level requirements - MEPS (Maximum Allowable Heat Loss) |
| AHW0157 | Electric storage water heater | Superflow | SF1251T18 | SolarEast Australasia Pty Ltd | 30/11/2017 | Failed to meet:   * GEMS level requirements - MEPS (Maximum Allowable Heat Loss) |