



Australian Government

GEMS Regulator

GREENHOUSE AND ENERGY MINIMUM STANDARDS (GEMS)

Compliance - Check Testing Results

July 2024 to June 2025 (interim report, as at 30 June 2025)

Purpose

To report on the selection and check testing of models of Greenhouse and Energy Minimum Standards (GEMS) products undertaken between 1 July 2024 and 30 June 2025.

Background

Check testing refers to principles and procedures the GEMS Regulator uses to verify whether GEMS product models meet minimum energy performance standards (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. View our [GEMS Check Testing Policy – with Validity Criteria](#) for more information about stages and testing.

The check testing results have been published in accordance with section 162 of the *GEMS Act 2012*.

Products tested

Between 1 July 2024 and 30 June 2025¹, the GEMS Regulator selected 66 product models under ten GEMS product categories for stage 1 check testing.

At the date of reporting:

51 models passed their relevant GEMS Determination level requirements; 15 models are pending testing finalisation*.

*Pending relates to models where check testing is still in progress, and the outcome has not yet been determined. The final outcomes may not occur until the next financial year.

Table 1: Summary of products tested during the period

GEMS Product	Total	Pass	Pending results	Fail
Air Conditioners	6	5	1	
Clothes Dryers	1	1		
Clothes Washers	5	5		
Computer Monitors	10	10		
Dishwashers	4	4		
External Power Supplies	6	6		
Swimming Pool Pumps	10	2	8	
Refrigerated Cabinets	4		4	
Household refrigerator/freezer	10	9	1	
Televisions	10	9	1	
Total	66	51	15	

¹ [GEMS Compliance Monitoring program 2024-2025](#)

Table 2: Models that passed the relevant GEMS Determination level requirements

GEMS Product	Brand	Model Number
Air Conditioner	SAMSUNG ELECTRONICS	AC100TXAPKG/ AC100TNHPKG
	FUJITSU	AOTH22KNTA/ASTH22KNTA
	Haier	1U71WAEFRA / AS71QEEHRA
	HYUNDAI	HYSSAC72PWA
	HISENSE	HAWV24KR
Clothes Dryer	AKAI	AK-WVDCMB
Clothes Washer	LG	WV9-1412B
	AKAI	AK-WVDCMB
	Haier	HWT75AA1
	BEKO	BFLB904ADW
	Whirlpool	FDLR10250
Computer Monitor	HP	M32f FHD Monitor
	LG	32GP850
	Lenovo	D27-40
	Verbatim	49590
	AOC	Q27G3ZE
	Blaupunkt	BP27GM240
	MSI	MPG 272URX QD-OLED
	PHILIPS	27E1N55
	ASUS	VY279HGR-R
	DELL	SE2425HM
Dishwasher	Midea	MDW15KBS
	FISHER & PAYKEL	DW60UZT4B2
	Artusi	ADW8TTB
	Smeg	DWAU6314X2
External Power Suppliers	Powetran	CW2401000AU
	HPM	RGLTR60

GEMS Product	Brand	Model Number
	brother	AD-5000ES-01 AUS
	CANON	CA-946
	Nikon	EH-73P
	LG	ADS-65AI-19-3 19065E
Swimming Pool Pumps	Astral Pool	11547 (Viron XT P320C)
	Pool Set	PRO200
Household Refrigerator/Freezer	Mitsubishi	MR458STA
	Kelvinator	KTM5402WC
	Linarie	LKCO250BLACK
	Whirlpool	WB3560EUXX
	Husky	HUS-237VWH.1
	FISHER & PAYKEL	RF605QDVX2
	Hitachi	R-S800PT0GS
	LG	GP-F324MBL
	Westinghouse	WBE4302AC
Television	PRISM+	M75
	Kogan	KAQL100XQ98GSVA
	HISENSE	65Q6QAU
	FFALCON	FF50U65
	SAMSUNG	UA55U8500FW
	AVEL	AVS240KS
	Hyundai	H55UHDQLDZEN
	WINTAL	19LED19HD
	AOA	LTW50UHD

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 compliance officers and 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.