



Environmental Choice^M Program
Panel Review Process
VERIFICATION AND LICENSING CRITERIA
CCD-007

PRODUCT : Household Electric Washing Machines

Notice

Throughout this document, any reference to a standard or guideline means to its latest edition.

The Environmental Choice^M Program (ECP) reserves the right to accept equivalent test data for the test methods specified in this document.

Interpretation

1. In this set of requirements, please note the following definitions:

“ AHAM ” means the American Household Appliances Manufacturers;

“ automatic ” means a control system that monitors conditions such as load size, water level, and detergent use, with a controller that enables or disables some process;

“ CSA ” means the Canadian Standards Association;

“ cycle ” means the full sequence of washing operations, which may include variations or combinations of the functions of washing, rinsing, and spinning;

“ drum volume ” (capacity) means the volume of the washing drum of an electric household clothes washer expressed in litres;

“ energuide ” is a Canadian government affiliated labelling program designed to promote awareness of the energy consumed by major household appliances;

“ kWh ” means kilowatt-hours; and

“ normal cycle” means the cycle type recommended in the manufacturer’s instructions to completely wash a full load of typically soiled clothing;

General Requirements

2. In order to minimize the solid waste burden, conserve resources, and reduce quantities and impacts of toxic substances and other pollutants associated with packaging, the ECP requires the submission of an attestation of commitment to the objectives of the National Packaging Protocol.
3. To be authorized to carry the EcoLogo, Household Electric Washing Machines must:
 - (a) meet or exceed all applicable governmental and industrial safety and performance standards; and
 - (b) be manufactured and transported in such a manner that all steps of the process, including the disposal of waste products arising therefrom, will meet the requirements of all applicable governmental acts, by laws and regulations including, for facilities located in Canada, the *Fisheries Act* and the *Canadian Environmental Protection Act (CEPA)*.

Product Specific Requirements

4. To be authorized to carry the EcoLogo, the household clothes washer must:
 - (a) not exceed a maximum power consumption of 2.0 kWh / cycle;
 - (b) not exceed a maximum energuide rating of 315 kWh;
 - (c) based on maximum drum volume and normal load, not exceed a water consumption of 15.0 litres / kg of clothes;
 - (d) not exceed a detergent consumption of 32.4 g / cycle or alternatively, be equipped with automatic detergent dispensing capabilities that do not exceed this usage;
 - (e) be accompanied by detailed instructions for proper use to maximize appliance performance and minimize detergent use;
 - (f) not exceed an operating time of 60 minutes / cycle;
 - (g) achieve a rating of at least 90% when tested in accordance with the AHAM sand removal test;

- (h) not exceed a rating of 0.40 when tested in accordance with the AHAM wear & tear test (severity of washing action);
- (I) not exceed a rating of 0.5 g / cycle when tested in accordance with the AHAM Lint test # 109-A;
- (j) not exceed a residual moisture of 65% for machines with a drum volume of less than 31 litres, or 60% for machines with a drum volume greater than 31 litres;
- (k) comply with CSA C22.2 No. 53-1968 (R1994) - *Electric Washing Machines* - or UL equivalent; and
- (l) have a product performance warranty of at least 2 years.

Verification

- 5. To verify a claim that a product meets the criteria listed in this document, the ECP will require access, as is its normal practice, to relevant quality control and production records and the right of access to production facilities on an announced basis.
- 6. Compliance with requirement 3(b) shall be attested to by a signed statement of the Chief Executive Officer or the equivalent officer of the licensee. The ECP shall be advised in writing immediately by the licensee of any noncompliance which may occur during the term of the license. On the occurrence of any noncompliance, the license may be suspended or terminated as stipulated in the license agreement.

Conditions for EcoLogo Use

- 7. The EcoLogo may appear on wholesale or retail packaging, or on the product itself, provided that the product meets the requirements in this document.
- 8. All licensees and authorized users must comply with the ECP's *Guide to Proper Use of the EcoLogo^M* regarding the format and usage of the EcoLogo.
- 9. Any accompanying advertising must conform with the relevant requirements stipulated in this guideline, the license agreement and the ECP's *Guide to Proper Use of the EcoLogo^M*.
- 10. Any advertising claim associated with EcoLogo must be vetted through ECP. ECP will provide a 48 hour turnover.