

CRITERIA FOR AWARDING THE ENERGY SAVING PROCEL SEAL TO MICROWAVE OVENS

(DOCUMENT COMPLEMENTARY TO THE REGULATION FOR AWARDING
THE ENERGY SAVING PROCEL SEAL)

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Index

1 INTRODUCTION	3
2 EVALUATION OF PRODUCT CHARACTERISTICS	3
3 AWARDING THE PROCEL SEAL.....	3
3.1 CRITERIA FOR AWARDING	3
3.2 RESULTS CONFIRMATION	4
4 RE-EVALUATION OF PRODUCT CHARACTERISTICS.....	4

1 Introduction

This document is complementary to the “Regulation for Awarding the Energy Saving Procel Seal”, which may be accessed on the Procel website (www.procelinfo.com.br). Its goal is to define the criteria that shall be met by **microwave ovens** in order to receive the authorization to use the Energy Saving Procel Seal.

2 Evaluation of product characteristics

The mechanism for evaluating the characteristics of microwave ovens covered by this regulation is the certification with labeling, through the Brazilian Labeling Program – PBE, coordinated by the National Institute of Metrology, Quality, and Technology - Inmetro, in partnership with Eletrobras Procel.

Therefore, the product applying for the Procel Seal must be using the National Energy Conservation Label - ENCE¹, according to the current documents Conformity Evaluation Requirements (RAC) and Quality Technical Regulation (RTQ) for Microwave Ovens of the Brazilian Labeling Program - PBE, published on the Inmetro website (www.inmetro.gov.br).

The reference labs to perform the tests are listed on the Procel website (www.procelinfo.com.br). The respective sampling and the allowed tolerances for the results are the ones detailed in the document cited in the previous paragraph.

3 Awarding the Procel Seal

3.1 Criteria for awarding

The supplier who intends to make use of the Procel Seal on an equipment model of his manufacturing line (or imported model) shall prove, through the tests prescribed in the current documents RAC and RTQ for Microwave Ovens, that the model meets the following criteria:

¹ ENCE – Its goal is to inform the energy consumption and/or energy efficiency of equipment. Its use is subject to the authorization by Inmetro.

- be approved in electrical safety tests;
- present an energy efficiency value higher or equal to **54%**;
- present a standby mode wattage lower or equal to **1,50 W**.

The similar model which presents aesthetic changes, since they are demonstrated by the lab, in relation to another model which already has the authorization to use the Procel Seal, will be exempted from performing these tests to obtain the Seal. Nevertheless, it may be subjected to evaluation during the process of renewal of the authorization to use the Procel Seal.

3.2 Results confirmation

After being authorized by Inmetro to use the ENCE, the supplier shall send to Eletrobras Procel the performance report of the model. The submission may be made by email.

4 Re-evaluation of product characteristics

Each year Eletrobras Procel will promote the re-evaluation of the characteristics of the microwave ovens with the Procel Seal, in order to verify whether their electrical safety and performance characteristics remain valid for the maintenance of the authorized use of the Seal. This verification will be preferably made through the Evaluation of Maintenance stage of the current "RAC for Microwave Ovens" of the Brazilian labeling Program – PBE, published on the Inmetro website (www.inmetro.gov.br).