

Australian/New Zealand Standard™

**Performance of household electrical
appliances—Microwave ovens**

**Part 3: Construction, quality and
cooking tests**

STANDARDS
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AS/NZS 2895.3:2007

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-015, Quality and Performance of Household Electrical Appliances. It was approved on behalf of the Council of Standards Australia on 12 December 2006 and on behalf of the Council of Standards New Zealand on 20 December 2006.

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The following are represented on Committee EL-015:

Australian Consumers' Association
Australian Electrical and Electronic Manufacturers Association
Australian Greenhouse Office, Department of the Environment and Heritage
Australian Industry Group
Australian Retailers Association
Business New Zealand
Consumer Electronics Suppliers Association
Department of Energy, Utilities and Sustainability (NSW)
Department of Industrial Relations (Qld)
Electrical Compliance Testing Association
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-015, Quality and Performance of Household Electrical Appliances, to supersede AS/NZS 2895:1995 on publication.

The AS/NZS 2895 series is comprised of two Parts, as follows:

AS/NZS

2895 Performance of household electrical appliances—Microwave ovens

2895.1 Part 1: Methods for measuring performance

2895.3 Part 3: Construction, quality and cooking tests (this Standard)

NOTE: It is common practice to include requirements for energy efficiency, energy labeling and MEPS (Minimum Energy Performance Standards), in a Part 2 of a series of product Standards. The number AS/NZS 2895.2 has therefore been reserved in case it is required for this purpose in the future.

The overall objective of the AS/NZS 2895 series of Standards is to describe the main performance characteristics of household microwave ovens, which are of interest to the user, and to specify the methods for measuring these characteristics.

The Parts of AS/NZS 2895 are summarized as follows:

- (a) Part 1 contains reproducible performance measurement and is technically identical to the corresponding sections of IEC 60705, Ed. 3.2 (2006), *Household microwave ovens—Methods for measuring performance*.
- (b) Part 3 contains requirements for construction, marking and point of sale information. It also includes the subjective cooking and defrosting performance tests from IEC 60705, Ed. 3.2 (2006) as informative Appendices.

The main changes in this Standard are as follows:

- (i) The test voltage is now limited to 250 V.
- (ii) Changes have been made to the requirement for design, construction, performance, marking and accompanying information.
- (iii) The test methods contained in AS/NZS 2895.3 are technically equivalent to sections of IEC 60705, Ed. 3.2 (2006).

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	4
1.2 OBJECTIVE.....	4
1.3 REFERENCED DOCUMENTS	4
1.4 DEFINITIONS	4
SECTION 2 DESIGN AND CONSTRUCTION	
2.1 WORKMANSHIP	5
2.2 EXPOSED SURFACES	5
2.3 FACILITIES FOR MAINTENANCE.....	5
2.4 ACCESSIBILITY OF COMPONENTS.....	5
2.5 CONTROLS	5
2.6 SEALING OF THE BASE OF THE CAVITY	5
SECTION 3 MARKING AND OTHER INFORMATION	
3.1 MARKING	6
3.2 POINT-OF-SALE INFORMATION.....	6
3.3 SOURCE FOR REPLACEMENT OR REPLACEMENT PARTS.....	6
3.4 INSTRUCTIONS FOR USE AND CARE.....	6
SECTION 4 PERFORMANCE REQUIREMENTS	
4.1 MICROWAVE POWER OUTPUT	7
4.2 COOKING PERFORMANCE	7
4.3 DEFROSTING PERFORMANCE	7
APPENDICES	
A SUBJECTIVE TESTS FOR ASSESSMENT OF COOKING PERFORMANCE.....	8
B SUBJECTIVE TEST FOR ASSESSMENT OF DEFROSTING PERFORMANCE ..	13

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard sets out requirements for microwave cooking appliances using electromagnetic energy in the ISM frequency band 2450 ± 50 MHz suitable for connection to a 230 V a.c. supply having a frequency of 50 Hz.

This Standard does not include any safety requirements.

1.2 OBJECTIVE

The objective of this Standard is to provide suppliers and quality control agencies with a set of minimum requirements and test methods for various non-quantifiable characteristics of quality and performance of household microwave ovens.

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard.

AS

2706 Numerical values—Rounding and interpretation of limiting values

AS/NZS

2895 Performance of household electrical appliances—Microwave ovens

2895.1 Part 1: Methods for measuring the performance of microwave ovens for household and similar purposes

3350 Safety of household and similar electrical appliances

3350.1 Part 1: General requirements

1.4 DEFINITIONS

For the purpose of this Standard, the definitions given in AS/NZS 2895.1 and those below apply.

1.4.1 Shall

Indicates that a statement is mandatory.

1.4.2 Should

Indicates a recommendation.