

STANDARD INFORMATION

Standard: CSA C22.2 No. 150

Standard ID: Microwave Ovens [CSA C22.2#150:2016 Ed.4+E1;U1]

Previous Standard ID: Microwave Ovens [CSA C22.2#150:2016 Ed.4+E1]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **March 31, 2024**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

Overview of Changes:

- Addition of child-resistant oven door requirements
- New installation instructions for products that are exempted from the child resistant oven door requirements
- New marking requirements
- New instruction requirements

Specific details of new/updated requirements are found in table below

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i>
5	Info	Construction
5.26		<i>New section added;</i> Child-resistant oven door
5.26.1		The user shall be required to perform two distinct actions to open a door that provides access to the oven cavity. Note: Actions such as slide and pull or twist and push are examples of actions which generally comply with the intent of the requirement. For touch-type controls, touching two different touch pads, but not the same touch pad twice, meets the intent of the requirement.
5.26.2		For touch-type controls, a non-valid or a single input shall be cancelled within 10 s. A single motion of a finger or hand across the control shall not activate the door to open. The following comply with the requirement: a) a construction in which it would be necessary for the user to remove their finger or hand from contact with the control between each operation. If a cancel pad is used to comply with the single motion requirement, then the pressure and time necessary to activate the cancel pad shall not be greater than the Step 1 and Step 2 pads. b) a construction in which the distance between Step 1 and Step 2 pads and the timing software are such that a lock will not be disengaged when a finger or hand touches each pad, traveling along any path not affected by Clause 5.26.2a) above, at a rate of 381 mm (15 in) per second between the pads. In addition, a control employing this means shall be such that activation of the Step 1 and Step 2 pads require contact by the user for a minimum time of 100 ms.
5.26.3		The requirements of Clause 5.26.1 shall not apply to the following product types: a) over-the-cooktop or under-cabinet mounted ovens, provided the manufacturer's installation instructions is marked in accordance with Clause 6.7; b) built-in or wall-mounted ovens, provided either: i) the manufacturer's installation instructions are marked in accordance with Clause 6.8; ii) the product has a bottom-hinged door; or iii) the product is a drawer microwave; and c) microwave ovens intended for commercial use only and marked in accordance with Clause 6.5.



CLAUSE	VERDICT	COMMENT
5.26.4		An oven that has a door handle and that could be installed on a countertop shall be subjected to a force on the door handle per test procedure in Clauses 5.26.5 and 5.26.7. During this test, the door shall not open, and the appliance shall not move on the test surface.
5.26.5		The appliance shall be placed on a horizontal surface having a coefficient of static friction of 0.20 ± 0.02 as determined by Clause 5.26.6 and consisting of non-textured laminated thermosetting countertop-type material having a smooth matte finish and adhered to a wood base surface rigidly fixed for the intended use.
5.26.6		The coefficient of static friction of the test surface in Clause 5.26.5 shall be established by use of a test block weighing 33.5 N (7.55 lbf) and having a surface area of 206 cm ² (32 in ²). The surface is to consist of 304 stainless steel with a No. 3 finish. The coefficient of static friction is to be determined by the equation: $\mu = F_s/W$, where F_s is the force required to overcome the static friction between the test block and the test surface, and W is the weight of the test block.
5.26.7		A force gauge or weight shall be used to apply a 44.5 N (10 lbf) force to the center of the door handle (without actuating the two distinct steps). The force shall be applied normal to the front surface of the door.
5.26.8		<p>An appliance complying with two-action door opening per Clause 5.26.1 can be provided with a means to allow the user to convert the product to single-action door opening (i.e., disable one of the actions specified in Clause 5.26.1). Conversion from two-action operation shall be accomplished by one of the following methods:</p> <ul style="list-style-type: none">a) an operation that requires a tool; orb) an operation that requires inputting a code consisting of at least 3 distinct key-presses on a touch control.
5.26.9		The product shall be shipped from the manufacturer complying with Clause 5.26.1. The test in Clause 5.26.4 shall be performed while the product complies with Clause 5.26.1.
6	Info	Marking and instructions <i>New clause added;</i>
6.6A		The installation instructions provided with an over-the-cooktop microwave oven or under-cabinet mounted microwave oven that is required to be marked in accordance with Clause 5.26.3a), shall specify that the microwave oven is to be mounted only above countertop level. <i>New clause added;</i>
6.6B		The installation instructions provided with a built-in microwave oven or wall-mounted microwave oven that is required to be marked in accordance with Clause 5.26.3b) shall specify a minimum installation height of 0.9 m (36 in) above the floor level.



CLAUSE	VERDICT	COMMENT
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New clause added;

The following instructions, or equivalent, shall be permanently marked on the oven in an area visible during normal use:

DO NOT ATTEMPT TO OPERATE THIS OVEN WITH

- a) OBJECT CAUGHT IN DOOR
- b) DOOR THAT DOES NOT CLOSE PROPERLY
- c) DAMAGED DOOR HINGE, LATCH, OR SEALING SURFACE
- d) MEAT PROBE CAUGHT IN DOOR (if applicable)

6.7

and

NE PAS UTILISER CE FOUR SI

- a) UN OBJET BLOQUE L'OUVERTURE DE LA PORTE
- b) LA PORTE NE FERME PAS BIEN
- c) LES CHARNIÈRES, LE VERROUILLAGE OU LE JOINT D'ÉTANCHÉITÉ SONT ENDOMMAGÉS
- d) LA SONDE DU THERMOMÈTRE À VIANDE BLOQUE LA PORTE (lorsqu'il y en a une).

New clause added;

For all appliances, the instructions manual shall include the appropriate instructions in Items 1) to 7) or the equivalent.

IMPORTANT SAFETY INSTRUCTIONS When using electrical appliances, basic safety precautions should be followed, including the following:

WARNING — To reduce the risk of burns, electric shock, fire, injury to persons, or exposure to excessive microwave energy:

6.7A

- 1) Read all instructions before using the appliance.
- 2) Read and follow the specific PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY found on (specific page or section to be included).
- 3) This appliance must be grounded. Connect only to properly grounded outlet. See GROUNDING INSTRUCTIONS found on (specific page or section to be included).
- 4) Install or locate this appliance only in accordance with the provided installation instructions.
- 5) Some products such as whole eggs and sealed containers — for example, closed glass jars — are able to explode and should not be heated in this oven.
- 6) Use this appliance only for its intended use as described in the manual. Do not use corrosive chemicals or vapors in this appliance. This type of oven is specifically



CLAUSE	VERDICT	COMMENT
		<p>designed to heat, cook, or dry food. It is not designed for industrial or laboratory use.</p> <p>7) HOT CONTENTS CAN CAUSE SEVERE BURNS. DO NOT ALLOW CHILDREN TO USE THE MICROWAVE. Use caution when removing hot items.</p> <p>And</p> <p>IMPORTANTES DIRECTIVES DE SÉCURITÉ</p> <p>Lors de l'utilisation d'appareils électriques, des mesures de sécurité de base devraient être respectées, y compris ce qui suit :</p> <p>AVERTISSEMENT — Pour réduire les risques de brûlures, de décharge électrique, de feu, de blessures aux individus ou d'exposition à une énergie micro-onde excessive:</p> <ol style="list-style-type: none">1) Lire toutes les directives avant d'utiliser l'appareil.2) Lire et suivre les MESURES PRÉCISES POUR ÉVITER UNE EXPOSITION POTENTIELLE À UNE ÉNERGIE MICRO-ONDE, accessibles à (page ou section précise à inclure).3) La mise à la terre de cet appareil est requise. Raccorder cet appareil uniquement à une sortie adéquatement mise à la terre. Voir les DIRECTIVES DE MISE À LA TERRE, accessibles à (page ou section précise à inclure).4) Installer et positionner cet appareil uniquement selon les directives d'installation fournies.5) Certains produits comme des oeufs entiers, en coquille et des contenants scellés, par exemple des bocaux fermés en verre, sont susceptibles d'exploser et ne devraient pas être réchauffés dans ce four.6) Utiliser cet appareil uniquement pour l'utilisation prévue, telle que décrite dans le manuel. Ne pas utiliser de vapeurs ou de produits chimiques corrosifs dans cet appareil. Ce type de four est spécifiquement conçu pour réchauffer, cuire ou dessécher les aliments. Il n'est pas conçu pour une utilisation industrielle ou en laboratoire.7) DES CONTENUS CHAUDS SONT SUSCEPTIBLES DE CAUSER DES BRÛLURES SÉVÈRES. NE PAS PERMETTRE À DES ENFANTS D'UTILISER LE FOUR MICRO-ONDES. Faire preuve de prudence lors du retrait des aliments chauds.
6.10		<p><i>New clause added;</i></p> <p>All microwave ovens shall be provided with a permanent marking in a location that is clearly visible to the user when the door is open. The marking shall be placed on the vertical surface directly behind the door as shown in Figure 6. The wording shall be as shown in Figure 7, or the equivalent. The height of the capital letters in the message shall be 2.54 mm (0.1 in) minimum. The height of "WARNING/ATTENTION" shall be a minimum of 1.5 times the height of the letters in the message. Lettering shall be black. The background of the message block shall be white or silver, and the background in the warning block shall be orange.</p>

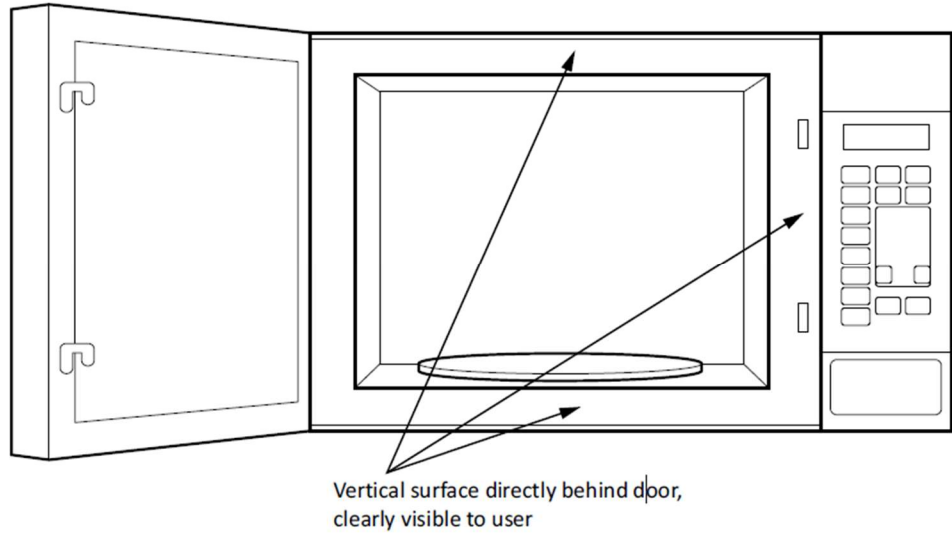


CLAUSE VERDICT COMMENT

New Figure added;

Example of acceptable locations for burn hazard marking

Figure 6



New Figure added;

Burn hazard marking

Figure 7

⚠ WARNING	
	<p>BURN HAZARD:</p> <ul style="list-style-type: none"> • Do not allow children to use the microwave • Use caution when removing hot items <p>Failure to follow these instructions can result in severe burns</p>
⚠ AVERTISSEMENT	
	<p>RISQUE DE BRÛLURES :</p> <ul style="list-style-type: none"> • Ne pas permettre à des enfants d'utiliser le four micro-ondes • Faire preuve de prudence lors du retrait des aliments chauds <p>À défaut de suivre ces directives, des brûlures sévères pourraient survenir.</p>