

CURRENT OZONE TEST

(NOTE: The following is the ozone test currently in effect in UL 867.)

37 Ozone Test

37.1 A portable product for household use shall not produce a concentration of ozone exceeding 0.05 parts per million by volume when tested as described in 37.2 – 37.7.

37.2 The test is to be conducted in a room having a volume of 950 – 1100 cubic feet (26.9 – 31.1 m³) with a minimum side dimension of 8 feet (2.4 m) and a maximum height dimension of 10 feet (3.0 m) without openings. The test room walls and ceiling are to be covered with a sheet of polyethylene or aluminum. The floor is to be of a nonporous material such as vinyl tile or aluminum.

37.3 During the test, the test room is to be maintained at a temperature of 25 ±2°C (77 ±4°F) and a relative humidity of 50 ±5 percent. Prior to the start of and immediately after this test, the ozone background level is to be measured with the product off. The background level average shall be calculated and subtracted from the maximum measurement during the test.

37.4 The product is to be located in the center of the test room floor and about 30 inches (762 mm) above the floor for a table-mounted product.

37.5 The ozone monitor sampling tube is to be located 2 inches (50 mm) from the air outlet of the product and is to point directly into the air stream.

37.6 The emission of ozone is to be monitored for 24 hours to determine the concentration.

37.7 If the filter cell can be energized with any of its fans not functioning or with particle filters removed, the test described in 37.1 – 37.6 is to be repeated with the various components not operating or with particle filters removed.

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