

CTL DECISION SHEET

Standard: IEC 60335-1/1991 IEC 60335-1/2001 EN 60335-1/1994 EN 60335-1/2002 IEC 60598-1/1999 EN 60598-1/2000	Sub clause: 11 - 19 12	Sheet N°: 109/06 Page: 1(1)
Subject: Endurance and thermal tests on appliances for purifying water using an UV lamp	Key words: - Thermal tests - Abnormal conditions - Temperature of water flowing	Meeting: Decision confirmed at CTL 41 st meeting
<p>Question: The appliance for purifying water is equipped with an UV lamp (with its accessories). The unit can be used with or without a constant water flowing (in accordance with the manual instructions). What should be the temperature of the water during the thermal tests?</p> <p>Decision: The applicable standard is IEC/EN 60335-1. The thermal tests have to be carried out according to clause 11 (heating) and clause 19 (abnormal conditions) of IEC/EN 60335-1. If according to the manual instructions the appliance can be used without water flowing, we have to consider this situation as worst case: all tests have to be performed without water flowing. At the beginning of the tests, the water shall be at room temperature (25°C). If the appliance is provided for use with water flowing only, the heating test (clause 11) shall be started with water at room temperature (25°C) but flowing. For the abnormal conditions test (clause 19), the water flowing has to be stopped unless there is a monitoring circuit to switch off the appliance in case of water flow interruption. At the beginning of the test the water shall be at room temperature (25°C).</p> <p>Explanatory notes: The above mentioned decision is in accordance with D.S. OSM/HA180. For the electrical characteristics of the components used on the appliance the reference standard is IEC/EN 60598-1.</p>		