



**TESTING AND MEASURING EQUIPMENT/ALLOWED SUBCONTRACTING**  
**IEC 60335-2-24, 7 Edition (2010) – A1/2012**

**Household and similar electrical appliances – Safety – Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice makers**

**PROVISIONAL**

- “R” Required
- “S” May be subcontracted, see OD 2012
- “SF” Specialized Facility, see IECEE 02-2
- “W” Witness testing in the categories “MED” and “MEAS”
- “3PPS” Three Phase Power Supply required

<b>Clause</b>	<b>Measurement/testing</b>	<b>Testing / measuring equipment / material needed</b>	<b>Subcontracting</b>
11	<i>Heating</i>	<i>Apparatus for water evaporation</i>	R
15	<i>Moisture resistance</i>	<i>Apparatus for spillage test</i> <i>Acid rinsing agent as specified in Annex AA of IEC 60335-2-5</i>	R R
19	<i>Abnormal operation</i>	<i>70 Ah battery</i>	R
20	<i>Stability and mechanical hazards</i>	<i>Cylindrical weights of 0,5 Kg, 80mm Ø</i> <i>Weight of 2,3 Kg</i> <i>Weight of 23 Kg</i>	R R R
21	<i>Mechanical strength</i>	<i>Vibration test apparatus</i> <i>75 mm ± 0,5mm Ø sphere</i>	S R



Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
22	<i>Construction</i>	<i>Pressure test apparatus            Capillary tube (0,7 mm ± 0,05mm Ø, 2-3 m long)            Gas bottle            Gas concentration measuring device            Scratching tool            Apparatus for salt mist test of 60068-2-11            Test apparatus for flammable refrigerants (IEC 60079-15)            Test punch            Transparent mask</i>	<i>R            R            R            R            R            S            S            R            R</i>