

**Akkrediteringens omfattning / Scope of accreditation – Environmental testing**

Intertek Semko AB, Kista/Järfälla - 1003

Standard designation	SS/ SEMKO EN or HD	IEC Publ	Comments	Laboratory address
Environmental testing Part 2-1: Tests Test A: Cold	SS-EN 60068-2-1, utg 2:2007 EN 60068-2-1:2007	IEC 60068-2-1 Test A Ed. 6 (2007-03)		Kista Järfälla
Environmental testing Part 2-2: Tests Test B: Dry heat	SS-EN 60068-2-2, utg 2:2007 EN 60068-2-2:2007	IEC 60068-2-2 Test B Ed. 5 (2007-07)		Kista Järfälla
Environmental testing Part 2-6: Tests Test Fc: Vibration (sinusoidal)	SS-EN 60068-2-6, utg 2:2008 EN 60068-2-6:2008	IEC 60068-2-6 Test Fc Ed. 7.0 (2007-12)		Järfälla
Environmental testing Part 2-11: Tests Test Ka: Salt mist	SS-EN 60068-2-11, utg 1:2001 EN 60068-2-11:1999	IEC 60068-2-11 Test Ka Ed. 3 (1981)		Järfälla
Environmental testing Part 2-14: Tests Test N: Change of temperature	SS-EN 60068-2-14, utg 2:2009 EN 60068-2-14:2009	IEC 60068-2-14 Test N Ed. 6.0 (2009-01)		Kista Järfälla
Environmental testing Part 2-27: Tests Test Ea: Shock	SS-EN 60068-2-27, utg 2:2009 EN 60068-2-27:2008	IEC 60068-2-27 Test Ea Ed. 4.0 (2008-02)		Järfälla
Environmental testing Part 2-30: Tests Test Db: Damp heat, cyclic (12+12h cycle)	SS-EN 60068-2-30, utg 2:2006 EN 60068-2-6:2005	IEC 60068-2-30 Test Db Ed. 3 (2005-08)		Kista Järfälla
Environmental testing Part 2-31: Tests Test Ec: Rough handling shocks	SS-EN 60068-2-31, utg 2:2009 EN 60068-2-31:2008	IEC 60068-2-31 Test Ec Ed. 2.0 (2008-05)	<b>Järfälla: Only procedure I</b>	Kista Järfälla
Environmental testing Part 2-38: Tests Test B: Composite temperature/humidity cyclic test	SS-EN 60068-2-38, utg 2:2010 EN 60068-2-38:2009	IEC 60068-2-38 Test Z/AD Ed. 2.0 (2009-01)		Kista Järfälla

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Environmental testing Part 2-52: Tests Test Kb: Salt mist, cyclic	SS-EN 60068-2-52, utg 1:2001 EN 60068-2- 52:1996	IEC 60068-2-52 Test Kb Ed. 2 (1996-01)		Järfälla
Environmental testing Part 2-64: Tests Test Fh: Vibration, broadband random	SS-EN 60068-2-64, utg 2:2009 EN 60068-2- 64:2008	IEC 60068-2-64 Test Fh Ed. 2.0 (2008-04)		Järfälla
Environmental testing Part 2-78: Tests Test Cab: Damp heat, steady state	SS-EN 60068-2-78, utg 1:2001 EN 60068-2- 78:2001	IEC 60068-2-78 Test Cab Ed. 2 (2012-10)		Kista Järfälla
Maritime navigation and radiocommunication equipment and systems – General requirements – Methods of testing and required test results		IEC 60945 Ed. 4:2002	8.2 Dry heat 8.3 Damp heat 8.4 Low temperature 8.5 Thermal shock 8.6 Drop 8.7 Vibration <b>only in Järfälla</b> 8.12 Corrosion <b>only in Järfälla</b>	Kista Järfälla
Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications	SS-EN 62133, utg 1:2003 EN 62133:2003	IEC 62133:2002	4.2.2 Vibration <b>only in Järfälla</b> 4.2.3 Molded case stress at high temp. 4.2.4 Temperature cycling 4.3.4 Mechanical shock (crash hazard) 4.3.5 Thermal abuse	Kista Järfälla
Safety of lithium batteries		* IEC 60086- 4:2007, Ed. 3.0	6.4.2 Thermal cycling 6.4.3 Vibration 6.4.4 Shock 6.5.7 Thermal abuse	Kista Järfälla
* Rättelse Metod IEC 60086-4:2007 ed. 3.0 felaktigt borttagen i beslut 2014/9, daterat 150226. Pernilla Carlsson 2016-04-08				

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Environmental testing Part 2-32: Tests Test Ed: Free fall	SS-EN 60068-2-32, utg 1:2010 EN 60068-2- 32:1993	IEC 60068-2-32 Test Ed Ed. 2 (1975)	<b>Järfälla: Only procedure I</b>	Kista Järfälla
IP Classification Protection by enclosure	SS-EN 60529, utg 1:1992 SS-EN 60529, utg 1.2:2014	IEC 60529:2001 (Ed 2.1) IEC 60529:2013 (Ed 2.2)		Kista
<b>NEBS Requirements: Physical Protection</b>	<b>GR-63-CORE Issue 4, April 2012</b>		<b>Section 4.1.1; Transportation and Storage Environmental Criteria</b>	Kista
<b>NEBS Requirements: Physical Protection</b>	<b>GR-63-CORE Issue 4, April 2012</b>		<b>Section 4.1.2; Operational Short Term Temperature/ Humidity</b>	Kista
<b>NEBS Requirements: Physical Protection</b>	<b>GR-63-CORE Issue 4, April 2012</b>		<b>Section 4.1.3; Altitude (Temperature Compensation only)</b>	Kista
<b>NEBS Requirements: Physical Protection</b>	<b>GR-63-CORE Issue 4, April 2012</b>		<b>Section 4.1.4; Temperature Margin Evaluation</b>	Kista
<b>NEBS Requirements: Physical Protection</b>	<b>GR-63-CORE Issue 4, April 2012</b>		<b>Section 4.1.5; Fan Cooled Equipment Criteria</b>	Kista
<b>NEBS Requirements: Physical Protection</b>	<b>GR-63-CORE Issue 4, April 2012</b>		<b>Section 4.1.6; Heat Dissipation and Energy Efficiency</b>	Kista
<b>NEBS Requirements: Physical Protection</b>	<b>GR-63-CORE Issue 4, April 2012</b>		<b>Section 4.1.7; Surface Temperature</b>	Kista
<b>NEBS Requirements: Physical Protection</b>	<b>GR-63-CORE Issue 4, April 2012</b>		<b>Section 4.1.8; Equipment Airflow</b>	Kista
<b>NEBS Requirements: Physical Protection</b>	<b>GR-63-CORE Issue 4, April 2012</b>		<b>Section 4.2.3; Needle Flame</b>	Kista
<b>NEBS Requirements: Physical Protection</b>	<b>GR-63-CORE Issue 4, April 2012</b>		<b>Section 4.3: Drop</b>	Kista

Ändringar är markerade med fet stil.

Provtagning omfattas inte av ackrediteringen. Om laboratoriet ändå själv utför provtagning omfattas provningen inte av ackrediteringen.

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Synpunkter och tolkningar omfattas inte av ackrediteringen. Om laboratoriet ändå redovisar synpunkter och tolkningar i provningsrapporten omfattas provningen inte av ackrediteringen.

Changes are printed in bold type.

The accreditation does not cover sampling activities. If the laboratory, regardless of this, performs the sampling by itself, then the testing is not considered to be performed under accreditation.

The accreditation does not cover opinions and interpretations. If the laboratory, regardless of this, expresses opinions and/or provides interpretations in the test report, then the testing is not considered to be performed under accreditation.