Ackrediteringens omfattning / Scope of accreditation – Battery

Intertek Semko AB, Kista - **1003**

Primary batteries

Name of battery standard	Current edition	Limitations applicable for accreditation
IEC 60086-1: Primary batteries – General	Ed. 11.0 2011-02	
IEC 60086-2: Primary batteries – Physical and electrical specifications	Ed. 12. 2011-02	
IEC 60086-3: Primary batteries – Watch batteries	Ed. 2.0, 2004-12 New Ed. 3.0 2011-01	Paragraph 7.2.4 Measurement of off-load voltage U_{co} and the on-load voltage U_{cf}: Method A – not included in accreditation. Method C – not included in accreditation for watch batteries with organic electrolytes.
ANSI C18.1M, Part 1: American National Standard for Portable Primary Cells and Batteries with Aqueous Electrolyte – General and Specifications	ANSI 18.1M, Part 1-2009	
ANSI C18.3M, Part 1: American National Standard for Portable Litium Primary Cells and Batteries – General and Specifications	ANSI 18.3M, Part 1-2008	
IS DOC 09:1 Intertek Semko Standard for Testing of Primary Batteries – Test methods developed for discharge testing of primary batteries based on current standards.	IS DOC 11:1 25 October 2011 **IS DOC 15:1, June 2015**	

Portable rechargeable cells and batteries

Name of battery standard	Current edition	Limitations applicable for accreditation
IEC 61951-1: Secondary cells and batteries containing alkaline or other non-acid electrolytes – Portable sealed rechargeable single cells – Part 1: Nickel-cadmium	Ed. 2. 2003-01, Amendment 1 2005 **Ed. 3.0 2013-10**	Paragraph 8 Mechanical tests is not included in accreditation. Accreditation applicable for current interval 1 mA - 50 A.
IEC 61951-2: Secondary cells and batteries containing alkaline or other non-acid electrolytes – Portable sealed rechargeable single cells – Part 2: Nickel-metal hydride	Ed. 2.0, 2003-04 New Ed. 3.0 2011-05	Paragraph 8 Mechanical tests is not included in accreditation. Accreditation applicable for current interval 1 mA - 50 A.
IEC 61960: Secondary cells and batteries	Ed. 1.0, 2003-12	Paragraph 7.8 Electrostatic discharge (EDS)

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containing alkaline or non-acid electrolytes – Secondary lithium cells and batteries for portable applications	New Ed. 2.0 2011-06	is not included in accreditation. Accreditation applicable for current interval 1 mA - 50 A.
ANSI C18.2M, Part 1: Portable rechargeable cells and batteries – General and specifications	ANSI 18.2M, Part 1-2007 **ANSI 18.2M, Part 1-2013**	Paragraph 1.4.7 Mechanical tests is not included in accreditation. Accreditation applicable for current interval 1 mA - 50 A.
Nordic ecolabelling of rechargeable batteries and battery chargers (Svanen)	Version 4.0, 7 December 2010-31 December 2013 Version 4.1, 7 December 2010-31 December 2013 **Version 4.3, 7 December 2010-30 June 2016**	Not included: Paragraph 1 Environmental requirements Paragraph 2 Packaging information Paragraph 3 Working conditions

Lead-acid starter batteries

Name of battery standard	Current edition	Limitations applicable for accreditation
IEC 60095-1: Lead-acid starter batteries. General requirements and methods of test	Ed. 7.0, 2006-11	Paragraph 7.10 Vibration test is not included in accreditation. Paragraph 7.11.1 Electrolyte retention vented batteries is not included in accreditation. Accreditation applicable for maximum current 1000 A.
EN 50342: Lead-acid starter batteries. General requirements and methods of test and numbering	EN 50342+A1, Ed. 1.0, 2006.	Paragraph 5.6.2.1 Corrosion test is not included in accreditation. Paragraph 5.8 Vibration test is not included in accreditation. Paragraph 5.9.1 Electrolyte retention vented batteries is not included in accreditation. Accreditation is applicable for maximum current 1000 A.

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60086-4: Primary batteries – Part 4. Safety of lithium batteries	Ed. 3.0, 2007-09 **IEC 60086-4 Ed.4.0 2014-09**	Environmental tests included
IEC 62133: Secondary cells and batteries containing alkaline or other non-acid electrolytes –Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications	Ed. 1.0, 2002-02	
60086-5: Primary batteries-Part 5 Safety of batteries with aqueous electrolyte	Ed 3.0 2011-03	The testing is according to same type of methods as in our other accredited standards IEC60086-4, IEC62133 and IEC60086-1
UN38.3: Transport of dangerous goods	Ed 5.0 2009, Amendment 1 2011	Test T1-T8, The testing is according to same type of methods as in our other accredited standards IEC60086-4, IEC62133. procedure according to Flex scope routine
IEC 62133: Secondary cells and batteries containing alkaline or other non-acid electrolytes –Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications	Ed. 2.0, 2012-12	Not included: 8.3.9 Design evaluation-Forced internal short circuit Procedure according to Flex scope routine.

Ändringar är markerade med fet stil.

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

Ackrediteringsomfattningen är flexibel enligt vad som anges i detta beslut. Förändrade metoder där förändringarna innefattas i den flexibla ackrediteringen får, även om nytt beslut inte har utfärdats, användas som ackrediterade metoder.

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 scope of accreditation is flexible according to specification in this decision. Changed methods where the changes are included in the flexible scope may, even if a new decision has not been issued, be used as accredited methods.