

Osaka Laboratory Flexible Scope Under the DAkkS Accreditation



Date 2021-07-07

Flexible Scope of Standards in the Annex to the Accreditation Certificate D-PL-12059-02-01 according to DIN EN ISO/IEC 17025:2018

*The laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standard test methods listed here with **different issue dates or revision status updates.**)

Department	Standard / in house procedure / Version	Title of standard or in house procedure (deviations / modifications of standard)	Test area / reductions
Product Safety*	IEC 60065:2001 + A1:2005 + A2:2010 EN 60065:2002 + A1:2006 + A11:2008 + A2:2010 + A12:2011 DIN EN 60065:2011-10 VDE 0860:2011-10 AS/NZS 60065:2003	Audio, video and similar electronic apparatus – Safety requirements.	
Product Safety*	IEC 60065:2014 DIN EN 60065:2015-11 VDE 0860:2015-11	Audio, video and similar electronic apparatus – Safety requirements.	
Product Safety*	IEC 60335-1:2010 EN 60335-1:2012 DIN EN 60335-1:2012-10 VDE 0700-1:2012-10	Household and similar electrical appliances – Safety – Part 1: General requirements.	Limitation: Excluding clause 19.11.
Product Safety*	IEC 60335-1:2010 +A1:2011+A2:2016 EN 60335-1:2012 + A13:2017 DIN EN 60335-1 + A13:2018-07 VDE 0700-1 + A13:2018-07	Household and similar electrical appliances – Safety – Part 1: General requirements.	Limitation: Excluding clause 19.11.
Product Safety*	IEC 60335-2-28:2002 + A1:2008 EN 60335-2-28:2003 + A1:2008 DIN EN 60335-2-28:2009-02 VDE 0700-28:2009-02	Household and similar electrical appliances – Safety – Part 2-28: Particular requirements for sewing machines.	

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Product Safety*	IEC 60335-2-32:2005 + A1:2008 EN 60335-2-32:2003 + A1:2008 DIN EN 60335-2-32:2009-04 VDE 0700-32:2009-04	Household and similar electrical appliances – Safety – Part 2-32: Particular requirements for massage appliances.	
Product Safety*	IEC 60335-2-32:2005 + A1:2008 +A2:2013 EN 60335-2-32:2003 + A1:2008 + A2:2015 DIN EN 60335-2-32:2015-07 VDE 0700-32:2015-07	Household and similar electrical appliances – Safety – Part 2-32: Particular requirements for massage appliances.	
Product Safety*	IEC 60335-2-32:2019	Household and similar electrical appliances – Safety – Part 2-32: Particular requirements for massage appliances.	
Product Safety*	IEC 60335-2-45:2005 + A1:2008+ A2:2011 EN 60335-2-45:2002 + A1:2008+ A2:2012 DIN EN 60335-2-45:2012-08 VDE 0700-45:2012-08	Household and similar electrical appliances – Safety – Part 2-45: Particular requirements for portable heating tools and similar appliances.	
Product Safety*	IEC 60601-1:2005 + A1:2012 EN 60601-1:2006 + A1:2013 DIN EN 60601-1:2007-07 VDE 0750-1:2007-07	Medical electrical equipment – Part 1: General requirements for basic safety and essential performance.	Limitation: Excluding Annex L: Insulated winding wires for use without interleaved insulation.

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Product Safety*	IEC 60601-1 ed.3.1 (IEC 60601-1:2005+A1:2012) EN 60601-1:2006+A1:2013+ A11:2011 DIN EN 60601-1:2013-12 VDE 0750-1:2013-12	Medical electrical equipment – Part 1: General requirements for basic safety and essential performance.	Excluding Annex L: Insulated winding wires for use without interleaved insulation.
Product Safety*	IEC 60601-2-18:2009-08 EN 60601-2-18:1996 + A1:2000 DIN EN 60601-2-18:2008-08 VDE 0750-2-18:2008-08	Medical electrical equipment – Part 2-18: Particular requirements for basic safety and essential performance of endoscopic equipment.	
Product Safety*	IEC 60825-1:2007 EN 60825-1:2007 DIN EN 60825-1:2008-05 VDE 0837-1:2008-05	Safety of laser products – Part 1: Equipment classification and requirements.	
Product Safety*	IEC 60825-1:2014 EN 60825-1:2014 DIN EN 60825-1 VDE 0837-1:2015-07	Safety of laser products – Part 1: Equipment classification and requirements.	
Product Safety*	IEC 60950-1:2005 + A1:2009+ A2:2013 EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 DIN EN 60950-1:2011-01 VDE 0805-1:2011-01 AS/NZS 60950.1:2015	Information technology equipment – Safety – Part 1: General requirements.	
Product Safety*	IEC 62368-1:2014 EN 62368-1:2014 + AC:2015+ A11:2017 DIN EN 62368-1:2016-05 VDE 0868-1:2016-05	Audio/video, information and communication technology equipment – Part 1: Safety requirements	

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Product Safety*	IEC 62368-1:2018	Audio/Video, information and communication technology equipment – Part 1: Safety requirements	
Product Safety*	IEC 61010-1:2010 EN 61010-1:2010 DIN EN 61010-1:2011-07 VDE 0411-1:2011-07	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 1: General requirements.	
Product Safety*	IEC 61010-1:2010 + A1:2016 DIN EN 61010-1 + A1:2015-04 E VDE 0411-1 + A1:2015-04	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 1: General requirements.	
Product Safety*	IEC 61010-2-010:2003 EN 61010-2-010:2003 DIN EN 61010-2-010:2004-06 VDE 0411-2-010:2004-06	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2- 010: Particular requirements for laboratory equipment for the heating of materials.	
Product Safety*	IEC 61010-2-010:2014 DIN EN 61010-2-010:2015-05 VDE 0411-2-010:2015-05	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2- 010: Particular requirements for laboratory equipment for the heating of materials.	
Product Safety*	IEC 61010-031:2002 + A1:2008 EN 61010-031:2002 + A1:2008 DIN EN 61010-031:2008-08 VDE 0411-031:2008-08	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 031: Safety requirements for hand- held probe assemblies for electrical measurement and test.	

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Product Safety	IEC 61010-031:2015 DIN EN 61010-031:2016-07 VDE 0411-031:2016-07	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 031: Safety requirements for hand- held probe assemblies for electrical measurement and test.	
Product Safety*	IEC 61010-2-032:2012 EN 61010-2-032:2012 DIN EN 61010-2-032:2013-07 VDE 0411-2-032:2013-07	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2- 032: Particular requirements for hand-held and hand manipulated current sensors for electrical test and measurement.	
Product Safety*	IEC 61010-2-032:2012 DIN EN 61010-2-032:2013-07 VDE 0411-2-032:2013-07	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2- 032: Particular requirements for hand-held and hand manipulated current sensors for electrical test and measurement.	
Product Safety*	IEC 61010-2-040:2005 EN 61010-2-040:2005 DIN EN 61010-2-040:2006-02 VDE 0411-2-040:2006-02	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2- 040: Particular requirements for sterilizers and washer-disinfectors used to treat medical materials.	
Product Safety*	IEC 61010-2-081:2001 + A1:2003 EN 61010-2-081:2002 + A1:2003 DIN EN 61010-2-081:2004-07 VDE 0411-2-081:2004-07	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2- 081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes.	

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Product Safety*	IEC 61010-2-081:2015 DIN EN 61010-2-081:2018-05 VDE 0411-2-081:2018-05	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2- 081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes.	
Product Safety*	IEC 61010-2-101:2002 EN 61010-2-101:2002 DIN EN 61010-2-101:2003-09 VDE 0411-2-101:2003-09	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2- 101: Particular requirements for in vitro diagnostic (IVD) medical equipment.	
Product Safety*	IEC 61010-2-101:2015 DIN EN 61010-2-101:2018-04 VDE 0411-2-101:2018-04	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2- 101: Particular requirements for in vitro diagnostic (IVD) medical equipment.	
Product Safety*	IEC 61010-2-201:2013 EN 61010-2-201:2013 IEC 61010-2-201:2017	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2- 201: Particular requirements for control equipment	
Product Safety*	IEC 61558-1:2005 +A1:2009 EN 61558-1:2005 + A1:2009 DIN EN 61558-1 + A1:2009-11 VDE 0570-1 + A1:2009-11	Safety of power transformers, power supplies, reactors and similar products – Part 1: General requirements and tests.	Limitations: Excluding Annex K

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Product Safety*	IEC 61558-1:2005 + A1:2009 EN 61558-1:2005-11 + AC:2006- 08 + A1 :2009-03 (FprEN 61558-1:2017-06) DIN EN 61558-1(VDE 0570-1): 2006-07 + AC: 2008-11 + A1:2009-11 E DIN EN 61558-1 (VDE 0570- 1):2016-06	Safety of power transformers, power supplies, reactors and similar products – Part 2-1: Particular requirements and tests for separating transformers and power supplies incorporating separating transformers for general applications.	Limitations: Excluding Annex K
Product Safety*	IEC 61558-1:2017	Safety of transformers, reactors, power supply units and combinations thereof - Part 1: General requirements and tests	
Product Safety*	IEC 61558-2-1:2007 EN 61558-2-1:2007 DIN EN 61558-2-1:2007-11 VDE 0570-2-1:2007-11	Safety of power transformers, power supplies, reactors and similar products – Part 2-1: Particular requirements and tests for separating transformers and power supplies incorporating separating transformers for general applications.	
Product Safety*	IEC 61558-2-2:2007 EN 61558-2-2:2007 DIN EN 61558-2-2:2007-11 VDE 0570-2-2:2007-11	Safety of power transformers, power supplies, reactors and similar products – Part 2-2: Particular requirements and tests for control transformers and power supplies incorporating control transformers.	
Product Safety*	IEC 61558-2-4:2009 EN 61558-2-4:2009 DIN EN 61558-2-4:2009-12 VDE 0570-2-4:2009-12	Safety of power transformers, power supply units and similar – Part 2-4: Particular requirements for isolating transformers for general use.	

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Product Safety	IEC 61558-2-6:2009 EN 61558-2-6:2009 DIN EN 61558-2-6:2010-04 VDE 0570-2-6:2010-04	Safety of power transformers, power supply units and similar – Part 2-6: Particular requirements for safety isolating transformers for general use.	
Product Safety*	IEC 61558-2-7:2007 EN 61558-2-7:2007 DIN EN 61558-2-7:2008-06 VDE 0570-2-7:2008-06	Safety of power transformers, power supplies, reactors and similar products – Part 2-7: Particular requirements and tests for transformers and power supplies for toys.	
Product Safety*	IEC 61558-2-17:1997	Safety of power transformers, power supply units and similar – Part 2-17: Particular requirements for safety isolating transformers for switch mode power supplies.	
Product Safety*	IEC 61558-2-16: 2009-06 +A1:2013-08 EN 61558-2-16:2009 + A1:2013 DIN EN 61558-2-16 (VDE 0570-2- 16): 2014-06	Safety of power transformers, power supply units and similar – Part 2-16: Particular requirements for safety isolating transformers for switch mode power supplies.	Limitations: See part 1 and excluding annex BB.
Product Safety*	IEC 61951-1:2003 + A1:2005 EN 61951-1:2003 + A1:2006 DIN EN 61951-1:2006-09	Secondary cells and batteries containing alkaline or other non- acid electrolytes – Portable sealed rechargeable single cells – Part 1: Nickel-cadmium.	
Product Safety*	IEC 61951-1:2017	Secondary cells and batteries containing alkaline or other non- acid electrolytes – Portable sealed rechargeable single cells – Part 1: Nickel-cadmium.	

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Product Safety*	IEC 61951-2:2011 EN 61951-2:2011 DIN EN 61951-2 :2012-03 VDE 0510-31:2012-03	Secondary cells and batteries containing alkaline or other non- acid electrolytes – Portable sealed rechargeable single cells – Part 2: Nickel-metal hydride.	
Product Safety*	IEC 61951-2:2017	Secondary cells and batteries containing alkaline or other non acid electrolytes - Secondary sealed cells and batteries for portable applications - Part 2: Nickel-metal hydride	
Product Safety*	IEC 61960:2011 EN 61960:2011 DIN EN 61960:2012-04	Secondary cells and batteries containing alkaline or other non- acid electrolytes – Secondary lithium cells and batteries for portable applications.	
Product Safety*	IEC 61960-3:2017	Secondary cells and batteries containing alkaline or other non- acid electrolytes – Secondary lithium cells and batteries for portable applications –Part 3: Prismatic and cylindrical lithium secondary cells, and batteries made from them.	
Product Safety*	IEC 62087:2011 EN 62087:2012 DIN EN 62087:2013-08 VDE0868-100:2013-08	Methods of measurement for the power consumption of audio, video and related equipment.	
Product Safety*	IEC 62087:2015	Audio, video, and related equipment - Determination of power consumption - Part 1: General	

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Product Safety*	IEC 62133:2012 EN 62133:2013 DIN EN 62133: 2013-10 VDE 0510-8:2013-10	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.	
Product Safety*	IEC 62133-1:2017	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 – Part 1: Nickel systems.	
Product Safety*	IEC 62133-2:2017	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 – Part 2: Lithium systems.	
Product Safety*	IEC 62281:2012 EN 62281:2013 DIN EN 6228:2013-10 VDE 0509-6:2013-10	Safety of primary and secondary lithium cells and batteries during transport.	
Product Safety*	IEC 62281:2016	Safety of primary and secondary lithium cells and batteries during transport.	
Product Safety*	IEC 62281:2019	Safety of primary and secondary lithium cells and batteries during transport.	

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Product Safety*	IEC 62301:2011	Household electrical appliances – Measurement of standby power.	Limitation: Only single phase measurements.
Product Safety*	EN 50564:2011 DIN EN 50564:2011-12 VDE 0705-2301:2011-12	Electrical and electronic household and office equipment – Measurement of low power consumption	Limitation: Only single phase measurements.
Product Safety*	IEC 62660-1:2010 EN 62660-1:2011 DIN EN 62660-1:2012-04 VDE 0510-33:2012-04	Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 1: Performance testing.	
Product Safety*	IEC 62660-1:2018	Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 1: Performance testing.	
Product Safety*	IEC 62660-2:2010 EN 62660-2:2011 DIN EN 62660-2:2012-04 VDE 0510-34:2012-04	Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 2: Reliability and abuse testing.	
Product Safety*	IEC 62660-2:2018	Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 2: Reliability and abuse testing.	

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Environment al testing*	UN Regulation No. 136: 2016	Uniform provisions concerning the approval of vehicles of category L with regard to specific requirements for the electric power train	
Environment al testing*	IEC 60068-2-1: 2007 DIN EN 60068-2-1:2008	Environmental testing - Part 2-1: Tests - Test A: Cold	
Environment al testing*	IEC 60068-2-2: 2007 DIN EN 60068-2-2:2008	Environmental testing - Part 2-2: Tests - Test B: Dry heat	
Environment al testing*	IEC 60068-2-14: 2009 DIN EN 60068-2-14:2010	Environmental testing - Part 2-14: Tests - Test N: Change of temperature	Limitation: Excluding test Nc
Environment al testing*	IEC 60068-2-30: 2005 DIN EN 60068-2-30:2006	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)	
Environment al testing*	IEC 60068-2-78: 2012 DIN EN 60068-2-78:2014	Environmental testing – Part 2-78: Tests – Test Cab: Damp heat, steady state	
Environment al testing*	IEC 61373: 2010 DIN EN 61373:2011	Railway applications - Rolling stock equipment - Shock and vibration tests	
Environment al testing*	IEC 60068-2-31:2008 DIN EN 60068-2-31:2009	Environmental testing - Part 2-31: Tests - Test Ec: Rough handling shocks, primarily for equipment- type specimens	
Environment al testing*	IEC 60068-2-6:2007 DIN EN 60068-2-6:2008	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)	

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Environmental testing*	IEC 60068-2-64:2008+AMD1:2019 DIN EN 60068-2-64:2009	Environmental testing - Part 2-64: Tests - Test Fh: Vibration, broadband random and guidance	
Environmental testing*	IEC 60068-2-27:2008 DIN EN 60068-2-27:2010	Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock	