



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

PRODUCT SAFETY ENGINEERING, INC.
12955 Bellamy Brothers Blvd.
Dade City, FL 33525
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ELECTRICAL (EMC)

Valid to: June 30, 2013

Certificate Number: 1367.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following emissions, immunity, telecommunications and safety related tests:

Tests:

Test Method(s):

Emissions

Conducted and Radiated

CFR 47 FCC, Parts 15 B, C, D, and E (using ANSI C63.4-2003 and ANSI C63.4-2009) (*up to 18 GHz*);
CFR 47 FCC, Part 15 G (using ANSI C63.4-2003 and ANSI C63.4-2009 [*up to 18 GHz*]. Also using Appendix C Guidelines*);
EN 55011; EN 55014-1 (*excluding clicks*);
EN 55022 (*up to 1 GHz*);
EN 61326-1; EN 55013; EN 61000-6-3 (*excluding clicks*);
EN 61000-6-4 (*excluding clicks*); EN 61326-2-6;
EN 55015 (*excluding fluorescent lamps*);
KN 11; KN 13; KN 14-1 (*excluding clicks*); KN 15;
KN 22 (*up to 1 GHz*);
AS/NZS CISPR 14.1; AS/NZS CISPR 22 (*up to 1 GHz*);
VCCI V-3 (*up to 1 GHz*); CNS 13438 (*up to 1 GHz*);
ANSI/RESNA WC/Vol. 2-1998

Immunity

EN 61000-6-1; EN 61000-6-2; EN 55014-2;
EN 55024 (*excluding CRT and Acoustic Telecommunication Terminal Equipment*); EN 61326-1; EN 50130-4; EN 55020; EN 61547;
EN 61326-2-6; KN 14-2; KN 20; KN 24

Electrostatic Discharge (ESD)

EN 61000-4-2; EN 61000-4-2 (1995 + A1:1998 + A2:2001);
IEC 61000-4-2; KN 61000-4-2; ANSI/RESNA WC/Vol. 2-1998

Radiated Immunity
(*26 MHz to 2.5 GHz*)

EN 61000-4-3; EN 61000-4-3 (2002, 1996);
IEC 61000-4-3; KN 61000-4-3; ANSI/RESNA WC/Vol. 2-1998

Electrical Fast Transient/
Burst

EN 61000-4-4; EN 61000-4-4 (2004, 1995); IEC 61000-4-4;
KN 61000-4-4

Surge Immunity

EN 61000-4-5; EN 61000-4-5 (2006, 1995 + A1:2005);
IEC 61000-4-5; KN 61000-4-5

Tests:

Test Method(s):

Immunity (Cont'd)

Conducted Immunity	EN 61000-4-6; EN 61000-4-6 (2007, 1996); IEC 61000-4-6 (2003); KN 61000-4-6
Power Frequency Magnetic Field Immunity	EN 61000-4-8; EN 61000-4-8 (1993 + A1:2001); IEC 61000-4-8; KN 61000-4-8
Voltage Dips, Interruptions, and Line Voltage Variations	EN 61000-4-11; EN 61000-4-11 (2004, 1994); IEC 61000-4-11; KN 61000-4-11 <i>(limited to standards that only require a zero crossing switching)</i>
Current Harmonics <i>(single phase only)</i>	EN 61000-3-2; EN 61000-3-2 (2006, 2000); IEC 61000-3-2
Voltage Fluctuations & Flicker <i>(single phase only)</i>	EN 61000-3-3; EN 61000-3-3 (1995 + Corr. July 1997 + A1:2001); IEC 61000-3-3

Technical Regulations for the Republic of Korea (EMC)

Technical Requirements for Electromagnetic Interference (RRA Public Notification 2011-18, Jul 5, 2011);
Technical Requirements for Electromagnetic Susceptibility (RRA Public Notification 2011-17, Jul 5, 2011);
Conformity Assessment Procedure for Electromagnetic Interference (RRA Announce 2010-5, Dec 24, 2010);
Conformity Assessment Procedure for Electromagnetic Susceptibility (RRA Announce 2010-6, Dec 24, 2010)

EMC – Medical Equipment

EN 60601-1-2; KN 60601-1-2

Product Safety

IEC 60950-1 (2005); IEC 60335-1 (2001); IEC 60335-2-59 (2002);
IEC 60335-2-79 (2007); IEC 60335-2-82 (2002);
IEC 60335-2-85 (2003); IEC 61010-1 (2010, 2001);
IEC 60065 (2000);
EN 60950-1 (2006); EN 60335-1 (2002); EN 60335-2-59 (2003);
EN 60335-2-79 (2004); EN 60335-2-82 (2003);
EN 60335-2-85 (2003); EN 61010-1 (2010, 2001); EN 60065 (2002);
AS/NZS 60950.1 (2003); AS/NZS 60335.1 (2002);
AS/NZS 60335.2.59 (2005); AS/NZS 60335.2.79 (2002);
AS/NZS 60335.2.82 (2006); AS/NZS 60335.2.85 (2005);
AS/NZS 61010.1 (2003); AS/NZS 60065 (2000)

On the following products or types of products:

Industrial, Scientific, and Medical (ISM) Equipment; Information Technology Equipment (ITE);
Household Appliances; Portable Tools; and Medical Equipment

* On-site test service is available for these standards in support of Broadband Over Power Line (BPL) Devices Or Carrier Current Systems (CCS) and Certification Requirements For Access BPL Devices





The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

PRODUCT SAFETY ENGINEERING, INC.

Dade City, FL

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).



Presented this 29th day of August 2011.

A handwritten signature in black ink, reading "Peter Abney".

President & CEO
For the Accreditation Council
Certificate Number 1367.01
Valid to June 30, 2013

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.