

United States Department of Commerce  
National Institute of Standards and Technology



**Certificate of Accreditation to ISO/IEC 17025:2005**

NVLAP LAB CODE: 100518-0

**Landauer, Inc.**  
Glenwood, IL

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:*

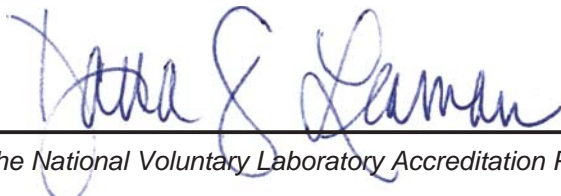
**Ionizing Radiation Dosimetry**

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

2017-01-01 through 2017-12-31

*Effective Dates*



  
*For the National Voluntary Laboratory Accreditation Program*



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

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**IONIZING RADIATION DOSIMETRY**

**NVLAP LAB CODE 100518-0**

***Scope of Accreditation:***

This facility has been evaluated and deemed competent to process the whole body radiation dosimeters and extremity dosimeters listed below by employing the following readers/processes:

- (1) Landauer InLight manual, 200, 500, 3000 and microStar Optically Stimulated Luminescence (OSL) readers;
- (2) LDR Custom Laser Heater TLD Reader;
- (3) Harshaw 3500 single-chip reader;
- (4) Landauer Automatic and Manual Luxel/Luxel+ Pulsed Optically Stimulated Luminescence (POSL) reader;
- (5) Landauer Manual Luxel/Luxel+ Light Emitting Diode (LED) OSL accident reader;
- (6) Neutron Auto CR-39 reader RadOsys;
- (7) microscopes; and
- (8) RadLight OSL manual and automatic readers.

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**WHOLE BODY**

This facility is accredited to process the following dosimeters by demonstration of compliance with ANSI HPS N13.11 through testing.

**OSL Dosimeters:**

A4 - [Beta/photon] - Luxel+ Pa (w/permanent clip), process 5 and 6 for ANSI N13.11-2009 categories IA, IIA, IIIA, and IVAA.

A5 - [Beta/photon/thermal & fast neutrons] - Luxel+ Ta (w/permanent clip), process 5, 6, 7, and 8 for ANSI N13.11-2009 categories IA, IIA, IIIA, IVAA, and VCA and ANSI N13.11-2001 category VIA.

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**IONIZING RADIATION DOSIMETRY**

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A7 - [Beta/photon] - InLight LDR Model 2-L02N (w/permanent clip), process 1 for ANSI N13.11-2009 categories IA, IIA, IIIA, and IVAA.

A9 - [Beta/photon/thermal & fast neutrons] - InLight LDR Model 2T-L02T (Polyethylene and Boron Radiator CR39) (w/permanent clip), process 1, 7, and 8 for ANSI N13.11-2009 categories IA, IIA, IIIA, IVAA, and VCA and ANSI N13.11-2001 category VIA.

B3 - [Beta/photon/fast neutrons] - Luxel+ Ja (w/permanent clip), process 5, 6, 7, and 8 for ANSI N13.11-2009 categories IA, IIA, IIIA, IVAA, and VCA and ANSI N13.11-2001 category VIA.

B6 - [Photon] - Luxel+ Pa Escort, process 5 and 6 for ANSI N13.11-2009 category IA.

C1 - [Beta/photon/ neutron] - InLight LDR Model 2 OSLN-L11N, process 1 for ANSI N13.11-2009 categories IA, IIA, IIIA, IVAA and VCA.

C2 - [Beta/photon/thermal & fast neutrons] - InLight LDR Model 2T OSLN-L11TN, process 1, 7, and 8 for ANSI N13.11-2009 categories IA, IIA, IIIA, IVAA, VCA and ANSI N13.11-2001 categories VIA, and VIBB.

C3 - [Photon] - RadWatch Model 1 in RadWatch holder, process 9 for ANSI N13.11-2009 categories IA and IIC.

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**EXTREMITY**

This facility is accredited to process the following dosimeters by demonstration of compliance with ANSI HPS N13.32 through testing.

**TLD Dosimeters:**

Z - [Beta/photon] - U Ring (TLD 100-chip) (Finger), process 2 and 4 for ANSI N13.32-2008 categories IB, IC, IIB, IIC, IID, IIIB, IIIC, IIID, and IVBB.

C5 - [Beta/photon] - S Ring (TLD 100-chip) (Finger), process 2 and 4 for ANSI N13.32-2008 categories IB, IC, IIB, IIC, IID, IIIB, IIIC, IIID, and IVBB.

**OSL Badges:**

B2 - [Beta/photon] - Luxel+ Pa Wrist (Wrist) , process 5 and 6 For ANSI N13.32-2008 categories IA, IIA, IIIA, and IVAA.