

**MATERIALS LICENSE**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, 70 and 71, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee 1. Teledyne FLIR Detection, Inc.,  2. 100 Midland Rd, Oak Ridge, TN 37830		In accordance with letters dated May 24, 2021 and August 2, 2021	4. Expiration Date: September 30, 2024
		3. License No.: 41-25639-01E is amended in its entirety to read as follows:	5. Docket No.: 030-36509 Reference No.:
6. Byproduct, source, and/or special nuclear material  A. Barium-133  B. Cadmium-109	7. Chemical and/or physical form  A. Calibration and Standard Reference Sources  B. Calibration and Standard Reference Sources	8. Maximum amount that licensee may possess at any one time under this license  A. No Possession Authorized  B. No Possession Authorized	9. Authorized use  A. In accordance with 10 CFR 32.14 and 32.18, the licensee is authorized to distribute licensed material as specified in 30.71, Schedule B, in the form of calibration sources manufactured by Spectrum Techniques, Inc., to persons exempt from licensing under 10 CFR 30.15 and 30.18, or equivalent regulations of any Agreement State.  B. In accordance with 10 CFR 32.14 and 32.18, the licensee is authorized to distribute licensed material as specified in 30.71, Schedule B, in the form of calibration sources manufactured by Spectrum Techniques, Inc., to persons exempt from licensing under 10 CFR 30.15 and 30.18, or equivalent regulations of any Agreement State.

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License No.: 41-25639-01E

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6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license	9. Authorized use
C. Cesium-137	C. Calibration and Standard Reference Sources	C. No Possession Authorized	C. In accordance with 10 CFR 32.14 and 32.18, the licensee is authorized to distribute licensed material as specified in 30.71, Schedule B, in the form of calibration sources manufactured by Spectrum Techniques, Inc., and ionizing radiation measuring instruments containing cesium-137 to persons exempt from licensing under 10 CFR 30.15 and 30.18, or equivalent regulations of any Agreement State.
D. Cobalt-57	D. Calibration and Standard Reference Sources	D. No Possession Authorized	D. In accordance with 10 CFR 32.14 and 32.18, the licensee is authorized to distribute licensed material as specified in 30.71, Schedule B, in the form of calibration sources manufactured by Spectrum Techniques, Inc., to persons exempt from licensing under 10 CFR 30.15 and 30.18, or equivalent regulations of any Agreement State.
E. Cobalt-60	E. Calibration and Standard Reference Sources	E. No Possession Authorized	E. In accordance with 10 CFR 32.14 and 32.18, the licensee is authorized to distribute licensed material as specified in 30.71, Schedule B, in the form of calibration sources manufactured by Spectrum Techniques, Inc., to persons exempt from licensing under 10 CFR 30.15 and 30.18, or equivalent regulations of any Agreement State.



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F. Europium-152	F. Calibration and Standard Reference Sources	F. No Possession Authorized	F. In accordance with 10 CFR 32.14 and 32.18, the licensee is authorized to distribute licensed material as specified in 30.71, Schedule B, in the form of calibration sources manufactured by Spectrum Techniques, Inc., to persons exempt from licensing under 10 CFR 30.15 and 30.18, or equivalent regulations of any Agreement State.
G. Manganese-54	G. Calibration and Standard Reference Sources	G. No Possession Authorized	G. In accordance with 10 CFR 32.14 and 32.18, the licensee is authorized to distribute licensed material as specified in 30.71, Schedule B, in the form of calibration sources manufactured by Spectrum Techniques, Inc., to persons exempt from licensing under 10 CFR 30.15 and 30.18, or equivalent regulations of any Agreement State.
H. Zinc-65	H. Calibration and Standard Reference Sources	H. No Possession Authorized	H. In accordance with 10 CFR 32.14 and 32.18, the licensee is authorized to distribute licensed material as specified in 30.71, Schedule B, in the form of calibration sources manufactured by Spectrum Techniques, Inc., to persons exempt from licensing under 10 CFR 30.15 and 30.18, or equivalent regulations of any Agreement State.



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| <p>6. Byproduct, source, and/or special nuclear material</p> <p>I. Sodium-22</p> | <p>7. Chemical and/or physical form</p> <p>I. Calibration and Standard Reference Sources</p> | <p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>I. No Possession Authorized</p> | <p>9. Authorized use</p> <p>I. In accordance with 10 CFR 32.14 and 32.18, the licensee is authorized to distribute licensed material as specified in 30.71, Schedule B, in the form of calibration sources manufactured by Spectrum Techniques, Inc., to persons exempt from licensing under 10 CFR 30.15 and 30.18, or equivalent regulations of any Agreement State.</p> |
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## CONDITIONS

10. This license does not authorize possession or use of licensed material.
11. The licensee is authorized to distribute only from its facility located at 100 Midland Road, Oak Ridge, TN.
12. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those statements, representations, and procedures that are required to be submitted in accordance with the regulations. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence impose on the licensee requirements that are more restrictive than or in addition to the regulations.
- A. Application dated April 21, 2014 (ML14125A228)
  - B. Letter dated June 17, 2014 (ML14175A179)
  - C. Email dated August 13, 2014 (ML14247A492)
  - D. Letter dated May 24, 2021 (ML21155A139)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: August 25, 2021

By: \_\_\_\_\_

Shirley S. Xu  
Headquarters