CUSTOMER

Mfg.

Mfg.

Cal. Date

✓ Mechanical ck.

√ F/S Resp. ck

Audio ck.

Designer and Manufacturer Scientific and Industrial Instruments

Calibrated in accordance with LMI SOP 14.8

**CABRERA SERVICES** 

22-Dec-15

Check mark pplies to applicable instr. and/or detector IAW mfg. spec.

☐ Meter Zeroed

Alarm Setting ck.

Reset ck.

Instrument Received

## CERTIFICATE OF CALIBRATION

22-Dec-16

☐ Background Subtract

Batt. ck. (Min. Volt)

Calibrated in accordance with LMI SOP 14.9

Window Operation

## LUDLUM MEASUREMENTS, INC.

501 Oak Street 10744 Dutchtown Road 1601

	_
5-235-5494	865-392-4
5-235-5494	865-392-

VDC

Knoxville, TN 37932, U.S.A. Sweetwater, TX 79556, U.S.A. 20280903/429686 ORDER NO. Serial No. \_\_\_\_\_ MICRO REM Serial No. \_\_ 0-200µrem/ Cal. Interval 1 Year Meterface 74 °F RH \_\_\_\_ 21\_ % Alt\_\_\_ 704.0 mm Hg T. Within Toler. +-10% 10-20% Out of Tol. Requiring Repair Other-See comments

Input Sens. Linearity

mV

☐ Geotropism

\_\_\_\_\_V Ref./Inst.\_\_\_ ☐ HV Readout (2 points) Ref./Inst.\_\_\_\_/\_\_\_/ COMMENTS:

Instrument Volt Set \_\_\_\_\_ V Input Sens. \_\_\_\_ mV Det. Oper. \_\_\_\_ V at \_\_\_\_ mV Dial Ratio

Model

Model

Cal Due Date

Samma Calil	oration: GM detectors posit	doned perpendicular to sour	ce except for M 44-9 in wh	ich the fror	nt of probe faces	source.						
			REFERENCE		INSTRUMENT REC'D			INSTRUMENT				
	RANGE/MULTIPLIER   CAL. POINT     x 1000   150 mR/hr     x 1000   50 mR/hr     x 100   15 mR/hr			"AS FOUND READING"			ING"	METER READING*				
					50 /50							
x 100 5 mR/hr							<u> </u>					
	x 10 1500 μR/hr   x 10 500 μR/hr   x 1 150 μR/hr   x 1 100 μR/hr			722				- 150 - 48 - 150				
	x0.1	15 µR/	<u>'hr</u>									
	x0.1			- —								
	*Uncertainty within ± 10%	C.F. within ± 20%	<u> </u>						-	d Electroni		
	REFERENCE	INSTRUMENT	INSTRUMENT	-	REFERENCE	Ξ		UMENT		NSTRUME		
	CAL. POINT	RECEIVED	METER READING*		CAL. POINT		RECE	IVED	ŗ	METER REA	ADING*	
Digital				Log Scale	_							
Readout				Scale					-			
							-		•			
				i								
							-		-	<del></del>		
				<u> </u>								
ather Internati	onal Standards Ornanization M	above instrument has been calit embers, or have been derived fr ements of ANSI/NCSL Z540-1-1	om accepted values of flatural	to the Nation physical co	nal Institute of Stand Instants or have bee	dards and en derive				ues. cense No. LO	-1963	
The calibration	n system conforms to the requir	rces: Cs-137 S/N: 059	994 AND C 0004 CD C 7	10 724	791 🗍 11	31 🗆	1616 169	6 1909	T 1916	CP [ ] 5105	5717CO	
Referenc	e Instruments and/or Sou CO ☐ 60646 ☐ 70897	rces: Cs-137 S/N: 059 61	21/1CP 2261CP /. 12	20   734   S-1054		Γ10082	Neutron Am-	241 Be S/N:	☐ T-30	4 Ra-226	5/N: Y982	
— ☐ Alp	ha S/N	🗆	Beta S/N			_ 🗹	Other _		Cs-137	201uCi		
m:	500 S/N		Oscilloscope S/N			_ 🗆	Multimete	r S/N				
				Date	e <u>.</u>	221	ecc15	<del>_</del>				
Reviewed By:					Dat	е	30 Dec	1-5				
This certifi	· -	coept in full, without the written a	pproval of Ludium Measureme	ents, inc.	A	C Inst. Only	Passec	Dielectric (I	li-Pot) ar	nd Continuity	Гest	