

Calibration Certificate for RAM GENE-1 (MARK-2) CPM μ Sv
Calibration No.: 12819-013-419



Customer: CUSTOMER Co.ltd

Serial No: 12819-013

Measuring range:

0 - 999 Kcpm
 0 - 7200 μ Sv/h

Conditions:

1. Test source No.1: Sr 90 (10 mrad/h) - 1-2-79 Y on Jig
2. Test source1: Cs 137 (300mCi) - S/N: 8224Cp
3. Test source2: Cs 137 (1770 Ci) - S/N: 130

Results: Max. Allowed Error $\pm 15 \%$

Notes: Recommended calibration frequency: Once a year

Calculated Field	Units	Reading	Error	Comments	Test source No
KCPM			[%]		
6.94	Kcpm	7.25	4.47	linearity	1 (step1. Pos 1)
24.9	Kcpm	25.7	3.21	linearity	1 (step3. Pos 1)
64.7	Kcpm	66.5	2.78	Calibration	1 (step2 . Pos2)
487	Kcpm	518	6.37	linearity	1 (step4 . Pos2)
Factor	Cpm	1.24	-----	-----	1 (step2 . Pos2)
53.6	μ Sv/h	56.3	5.04	linearity	1 ---- 2600mm
267	μ Sv/h	279	4.49	linearity	2 ---- 1200mm
512	μ Sv/h	532	3.91	linearity	2 ---- 700mm
1080	μSv/h	1110	2.78	Calibration	2 ---- 400mm
2310	μ Sv/h	2450	6.06	linearity	2 ---- 200mm
5820	μ Sv/h	6170	6.01	linearity	2 ---- 100mm
Factor	μSv/h	0.91	-----	-----	2
7200	μSv/h	OFLO	OK	Software Overflow	2 ---- 0mm
36000	μSv/h	OFLO	OK	Software Overflow	3 ---- 0mm
72000	μSv/h	OFLO	OK	Software Overflow	3 ---- 0mm
< 0.1	KCPM	0.037	OK	Background	-----
< 0.3	μSv/h	0.1	OK	Background	-----

Calibrated by:	Approved by:	Date:	Due:	Calibration Result:	SIG.
YAN	YAKOV	February 18, 2020	February 18, 2021	PASSED	

The actual exposure rate was measured by calibration of the Soreq NRC SSDL reference ionization chambers at Physikalisch-Technische Bundesanstalt PSDL (6.62 30/04K) and in compliance with the US NCRP 112 requirements