



CERTIFICATE OF PARTICIPATION

TECNORAD participated in the 2015 PHE Intercomparison of Passive Radon Detectors. The submitted results for set **144-1**, % measurement errors and corresponding ranks are given in Table 1 for the five exposures.

Table 1

Reference exposure [kBq m ⁻³ h]	Mean [kBq m ⁻³ h]	1SD [kBq m ⁻³ h]	% Measurement error	Rank
145	141.8	12.9	9.4	A
330	332.4	19.6	5.9	A
719	712.5	34.5	4.9	A
1353	1341.2	19.7	1.7	A
2259	2262.2	66.9	3.0	A

$$\% \text{ Measurement error} = \sqrt{\left[\frac{\text{Mean} - \text{Reference}}{\text{Reference}} \times 100 \right]^2 + \left[\frac{1SD}{\text{Mean}} \times 100 \right]^2}$$

If the measurement error is:

- < 10% the rank is A
- between ≤10% and < 20% the rank is B
- between ≤20% and < 30% the rank is C
- between ≤30% and < 40% the rank is D
- between ≤40% and < 50% the rank is E
- >50% and < 100% the rank is F

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