* **Radium Equivalent Activity (Raeq):**

**Raeq (Bq/kg) = ARa + 1.43ATh + 0.077AK**

* **Gamma absorbed dose rate (D):**

**D (nGy/h) = 0.462ARa + 0.604ATh + 0.041Ak**

* **External hazard index (Hex):**

**Hex = ++**

* **Internal hazard index (Hin):**

**Hin = ++**

* **Gamma index (Iɣ):**

**Iγ (Irg) = ++**

* **Alpha index (Iα):**

**Iα =**