

RESULTS

Table 1: Dose rate of radiation ($\alpha+\beta+\gamma$) of the samples detected.

Sample Name	Dose rate of radiation * (μ Sv/hour)
Geo Origin 1491 harmoniser pendant	0.01

* excluding natural environmental contribution.

The dose rate of radiation is close to the normal natural environment level of Singapore (NEA), about 0.1 μ Sv/hour.

Based on the following general guideline, this product is safe to use, in view of overall ionising radiation.

Guideline for reference only:

WHO (WHO 1988) has chosen an intervention level of 5 mSv in a year, equivalent to 0.57 μ Sv/hour (based on 365 days/year and 24 hours/day)

The IAEA limit for public exposure to ionising radiation is 1 mSv per year, equivalent to 0.114 μ Sv/hour (based on 365 days/year and 24 hours/day), excluding what a person normally receives from natural background radiation.



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