

**Radiation Safety Division  
Radioactivity Measurements Section**

February 21, 2006  
RSD 155-2.2

To Whom it may concern

**Re: Radioactivity measurements in Caesar Stone products**

This is to certify that we performed natural radioactivity measurements in Caesar Stone slabs products by gamma spectrometry method according to standard procedures ANSI 42.14-1999. The radionuclides measured are from the  $^{226}\text{Ra}$  and  $^{232}\text{Th}$  decay series and  $^{40}\text{K}$  and any other gamma emitting radionuclide.

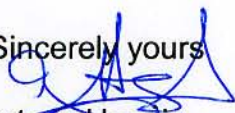
The results are in units of Bq/kg dry weight.

Lab sample No	Sample description	$^{226}\text{Ra}$	$^{232}\text{Th}$	$^{40}\text{K}$
S-3987	Caesar Stone slab 3200	$1.4 \pm 0.6$	$3.3 \pm 0.3$	< 5
S-3988	Caesar Stone slab 7141	$6.8 \pm 1.0$	$3.7 \pm 0.3$	$30.3 \pm 5.0$
S-3989	Caesar Stone slab 2200	$6.7 \pm 0.7$	$3.7 \pm 0.3$	$4.6 \pm 2.7$
S-3990	Caesar Stone slab 3141	$2.9 \pm 0.4$	$1.4 \pm 0.2$	$8.4 \pm 1.9$
S-3991	Caesar Stone slab 9170	$3.3 \pm 0.4$	$1.8 \pm 0.2$	< 3

**Conclusions**

1. No other gamma emitting radionuclides were found in the samples.
2. The above radionuclides concentrations are relatively low compared to similar building materials worldwide and in Australia\*.
3. The products fulfill European standard as stated in Radiation Protection No. 112, "Radiological protection principles concerning the natural radioactivity of building materials".

Sincerely yours

  
 Gustavo Haquin  
 Head, Radioactivity Measurement section

\* Beretka J. and Mathew P.J., Health Physics 48, 87-95, 1985.