

IAF - Radioökologie GmbH

Radionuclide Laboratory | Radiation Safety | Radiological Consultants

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Your reference

Your letter of (date)

Our reference

Date

11.06.2019

03.07.2019

"RADIATION-FREE DECLARATION"

IAF-Radioökologie GmbH as independent, accredited test laboratory declares that according to the attached test report No. **190620-18** of 03.07.2019 the material

Beyem Neocal Muro

is radiation free in line with German and European norms.

The measured **specific activities** of each of the natural radionuclides of the U-238 and Th-232 series is lower than the level of **200 Bq/kg**, according to Annex I of the the German Radiation Protection Act (Bundesgesetzblatt Jg. 2017 Teil I Nr. 42 of 3 July 2017).

The activity concentration index

$$I = \frac{C_{Ra}}{300 \frac{Bq}{kg}} + \frac{C_{Th}}{200 \frac{Bq}{kg}} + \frac{C_K}{3000 \frac{Bq}{kg}}$$

according to Annex VIII of Council Directive 2013/59/Euratom (European Basic Safety Standards, Official Journal of the European Union, 17.1.2014) is

$$I = 0,116$$



Dr. H. Hummrich
Head of Laboratory

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The activity concentration index

$$I = \frac{C_{Ra}}{300 \frac{Bq}{kg}} + \frac{C_{Th}}{200 \frac{Bq}{kg}} + \frac{C_K}{3000 \frac{Bq}{kg}}$$

according to Annex VIII of Council Directive 2013/59/Euratom (European Basic Safety Standards, Official Journal of the European Union, 17.1.2014) is

$$I = 0,107$$



Dr. H. Hummrich
Head of Laboratory