

IAF - Radioökologie GmbH

Radionuclide Laboratory | Radiation Safety | Radiological Consultants

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Your reference

Your letter of (date)

Our reference

Date

09.11.2017

11.12.2017

"RADIATION-FREE CERTIFICATE" for the material Beyem Prime

from 171117-05
(issued by Independent Inspector)

Herewith we declare, that the delivered material Beyem Prime is radiation-free according to the German guidelines for radiation protection. The measured **natural activity level** for U-238, Ra-226 and Th-232 is lower than the limit of **200 Bq/kg** given in the German Radiation Protection Act from July 26, 2001 (Bundesgesetzblatt Nr. 38). 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 the European Commission (Radiation Protection 112 "Radiological protection principles concerning the natural radioactivity of building materials", ISBN 92-828-8376-0) amounts

$$I = 0,057$$

Dr. H. Hummrich
Head of Laboratory



Accredited in accordance with DIN EN ISO 17025:2005 by DAkKS, the official German accreditation body.

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