

# IAF - Radioökologie GmbH

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*Ihre Zeichen*

*Ihre Nachricht vom*

*Unsere Zeichen*

*Datum*

28.01.2013

hs/ra

29.03.2013

## "RADIATION-FREE CERTIFICATE" for Poraver 0,25 - 0,5 mm

from test report 130129-01

Herewith we declare, that the delivered material 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

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

according to the European Commission (Radiation Protection 112 "Radiological protection principles concerning the natural radioactivity of building materials", ISBN 92-828-8376-0) amounts to

$$I = 0,150$$



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