

IAF - Radioökologie GmbH

IAF - Radioökologie • Wilhelm-Rönsch-Str.9 • 01454 Radeberg

Dennert Poraver GmbH

Mozartweg 1
96132 Schlüsselfeld
Germany

IAF - Radioökologie GmbH
Wilhelm-Rönsch-Str. 9
01454 Radeberg
Telefon (03528) 48730-0
Telefax (03528) 48730-22
e-Mail info@iaf-dresden.de
Internet www.iaf-dresden.de

Ihre Zeichen

Ihre Nachricht vom

15.11.2012

Unsere Zeichen

hs/ra

Datum

12.12.2012

"RADIATION-FREE CERTIFICATE" for Poraver 0,1 - 0,3 mm

from test report

121116-02

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 = 0,153



Dipl.-Nat. R. Arndt
(deputy Head of Laboratory)

Geschäftsführer: Dr. rer. nat. habil. Hartmut Schulz
Handelsregister: HRB 9185
Amtsgericht Dresden
Ust-IdNr.: DE159268749

HypoVereinsbank Dresden
BLZ: 85020086
Konto-Nr.: 5360179429
IBAN: DE92 8502 0086 5360 1794 29
SWIFT (BIC): HYVEDEMM496



Deutsche
Akkreditierungsstelle
D-PL-11201-01-00

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Ihre Nachricht vom

Unsere Zeichen

Datum

28.01.2013

hs/ra

29.03.2013

"RADIATION-FREE CERTIFICATE" for Poraver 0,5 - 1 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

$$I = 0,145$$



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(deputy Head of Laboratory)

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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

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

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

$$I = 0,150$$



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