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Federal Office for Civil Protection FOCP
SPIEZ LABORATORY

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Laboratory for the determination of radionuclide concentration

Test Report NUC-11-016

Customer

Kerox Kft.
Balázs FÉNYI
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Order

Gamma spectrometric analysis of natural and artificial radionuclides in zirconium ceramic powder.

Summary

The powder was filled in a defined plastic geometry and measured with a high purity Ge gamma detector. The results are summarized in chapter 9. No artificial radionuclides could be found. The activity concentration of the natural radionuclides U-238 and Th-232 and their daughter products were less then 53 Bq/kg. Assuming radiological equilibrium between U-234 and Th-234, the U-238 activity concentration is < 20 Bq/kg.

Physics	Physics	Physics
Dr. Peter Roder	Dr. Mario Burger	Dr. Stefan Röllin
Head of Physics	Radioactivity	Radioactivity

– Kerox Kft., Balázs FÉNYI, Homokbanya ut. 77, H-2049 Diosd

– SPIEZ LABORATORY: RPE, BURG, SET, AST, ROF, SAHH, HO, BYF, ZEHR, WIC Reg.

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