



ISO-FOOD Summer School Radionuclides in food

June 6-10, 2016

Jožef Stefan Institute, Department of Environmental Sciences, Ljubljana, Slovenia

www.isofood.eu



Venue:

Jožef Stefan Institute, Reactor center,
Brinje 40, Dol pri Ljubljani, Slovenia,
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Monday 6.6.2016

10:00

Welcome and introduction (Including participants introduction) (M. Horvat, D. Heath, L. Benedik)

11:00

Lecture I: EU Legislation for radionuclides in food (L. Benedik)

Metrology in (Radio) Chemistry (L. Benedik)

Traceability of activity to the SI (S. Pommé)

12:30

Lunch

13:30

Lecture II: Introduction to ISO/IEC 17025 standard (P. Vreča)

15:00

Coffee break

15:30

Lecture III: Practical Gamma-ray spectrometry (B. Smodiš)

17:00

Welcome reception

Tuesday 7.6.2016

9:00

Lecture IV: Basic statistics and uncertainty propagation in analyses (S. Pommé)

10:30

Coffee break

11:00

Lecture V: Radiochemical analytical techniques (L. Benedik, M. Trdin, B. Smodiš, M. Štok)

12:30

Lunch

13:30

Lecture VI: Treatment of the sample from sampling to measurement (M. Trdin)

15:00

Coffee break

15:30

Laboratory tour

Exercise I: Sample Preparation for alpha-particle spectrometry (M. Trdin, L. Benedik)

17:00

End of day 2



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Wednesday 8.6.2016

9:00

Lecture VII: Uncertainties in alpha and gamma spectrometry (S. Pommé)

10:30

Coffee break

11:00

Exercise II: Radiochemical separation techniques (M. Trdin, L. Benedik)

12:30

Lunch

13:30 -

Excursion

Thursday 9.6.2016

9:00

Exercise III: Source preparation and measurement (M. Trdin, L. Benedik)

10:30

Coffee break

11:00

Case studies presented by participants Discussion about common problems (S. Pommé, L. Benedik, B. Smodiš, M. Trdin, M. Štok)

12:30

Lunch

13:30

Lecture VIII: Liquid scintillation technique (M. Štok)

15:00

Coffee break

15:30

Exercise IV: Sample preparation for liquid scintillation technique (M. Štok)

17:00

End of day 4

Friday 10.6.2016

9:00

Lecture IX: Reporting and interpretation of results (Including certificates, use of plots, etc.) (S. Pommé)

10:30

Coffee break

11:00

Questions and discussion

12:30

Lunch

13:30

Final remarks and distribution of certificates

14:30

End of day 5