



# INSTITUTE OF NUCLEAR CHEMISTRY AND TECHNOLOGY

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Main topics of research and technological activities:

Radiochemistry  
Separation methods and processes

Radiation chemistry

Analytical chemistry  
Activation analysis

Radiobiology  
Radiation safety

Radiation technologies for medicine, industry and protection of environment

Nuclear instrumentation

Nuclear techniques in material and process engineering

Biological dosimetry

Technological dosimetry

## DOSIMETRY CERTIFICATE

Date: 11.10.2017

Name: **Instituto Superior Técnico**

Address: **Campus Tecnológico e Nuclear, Estrada Nacional 10, 2686-953 Sacavem PORTUGAL**

This is to certify that the results of the "First Phase of the Dose Intercomparison Exercise Conducted to Improve QA/QC Procedures in Radiation Processing" carried out under the framework of the TC Project RER/1/017 are as follows:

Dosimeter type	Nominal dose (kGy)	Dose measured at the Reference Laboratory <sup>‡</sup> (kGy)	Deviation <sup>†</sup> (%)
EPR-alanine	1	1,005	+0,5
	5	4,97	-0,6
	10	9,70	-3,0
	25	24,0	-4,0

<sup>‡</sup> Reference Laboratory:  
Laboratory for Measurements of Technological Doses (LMTD)  
Institute of Nuclear Chemistry and Technology (INCT), Warsaw, Poland  
accredited by Polish Centre of Accreditation, AB 461

$$^{\dagger} \text{ Deviation (\%)} = \frac{\text{Reference average value} - \text{Nominal value}}{\text{Nominal value}} \times 100$$

Prof. Andrzej G. Chmielewski  
Director

Institute of Nuclear Chemistry and Technology