



Certificate of Dosimetry Service Approval

Reference: ADS1203

By virtue of Regulation 78 of S.I. No. 30 of 2019

Landauer

28 Bankside – Station Approach

Kidlington

Oxford OX5 1JE

UK

is approved by the Environmental Protection Agency to provide dosimetry services in Ireland in pursuance of S.I. 30 of 2019.

This approval is granted subject to the condition that the services are provided within the scope of supply set out in Schedule 1.

This approval is granted subject to the requirements for approval continuing to be met.

This certificate shall remain in force until the expiry date specified in this certificate or until revoked in writing by the Environmental Protection Agency.

Date of Approval: 22 June 2022

Date of Expiry: 22 June 2027

Signed: 

David Pollard

Programme Manager

Schedule 1

Dosimetry Service: Landauer

Date of Approval: 22 June 2022

Dosemeter Make and Model	Technology / Type of Dosimetry	Operational Quantity	Radiation Type	Energy/Dose Range	Limitations of Use
Luxel+ Pa	Al ₂ O ₃ :C (Aluminium Oxide), external whole body	H _p (10)	Photons	5 keV – 40 MeV 0.01 mSv – 10 Sv	
			Beta	150 keV – 10 MeV (E _{βmax}) 0.01 mSv – 10 Sv	
		H _p (0.07)	Photons	5 keV – 40 MeV 0.01 mSv – 10 Sv	
			Beta	150 keV – 10 MeV (E _{βmax}) 0.01 mSv – 10 Sv	
Luxel+ Ja and Luxel+ Ta	OSL for photon and beta detection; CR39 for neutron activation, external whole body	H _p (10)	Photons	5 keV – 40 MeV 0.01 mSv – 10 Sv	
			Beta	150 keV – 10 MeV (E _{βmax}) 0.01 mSv – 10 Sv	
			Neutrons	40 keV – 35 MeV 0.01 mSv – 10 Sv	

Dosemeter Make and Model	Technology / Type of Dosimetry	Operational Quantity	Radiation Type	Energy/Dose Range	Limitations of Use
Luxel+ Ja and Luxel+ Ta	OSL for photon and beta detection; CR39 for neutron activation, external whole body	$H_p(0.07)$	Photons	5 keV – 40 MeV 0.01 mSv – 10 Sv	
			Beta	150 keV – 10 MeV ($E_{\beta\max}$) 0.01 mSv – 10 Sv	
			Neutrons	40 keV – 35 MeV 0.01 mSv – 10 Sv	
Saturn ring	TLD, external extremity	$H_p(0.07)$	Photons	>24 keV 0.1 mSv – 10 Sv	
			Beta	>250 keV 0.1 mSv – 10 Sv	
Vision	TLD, external eye	$H_p(3)$	Photons	>24keV 0.1 mSv – 10 Sv	Eye lens only
			Beta	>250keV 0.1 mSv – 10 Sv	