Certificate of Dosimetry Service Approval

Reference: ADS1204

By virtue of Article 24 of S.I. No. 125 of 2000 as amended by S.I. 152 of 2012

Mirion Technologies (GDS), Inc.
2652 McGaw Avenue
Irvine
California 92614
USA

is approved by the Environmental Protection Agency to provide dosimetry services in Ireland in pursuance of S.I. 125 of 2000.

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: 23 June 2017
Date of Expiry: 23 June 2022

Signed:

Micheál Lehane
Director, Office of Radiation Protection and Environmental Monitoring

Schedule 1

Dosimetry Service: Mirion Technologies (GDS), Inc.

Date of Approval: 23 June 2017

Dosemeter Make and Model	Technology / Type of Dosimetry	Operational Quantity	Radiation Type	Energy Range	Limitations of Use
Instadose 1	Direct ion storage / Whole body	$H_p(10)$	Photon	15 kev – 6 MeV	Photon only
Instadose + (ID+)	Direct ion storage / Whole body	$H_p(10)$	Photon	24 kev – 6 MeV	Photon only
		$H_p(0.07)$	Photon	24 kev – 6 MeV	
Genesis (Thermo Fisher 7776)	TLD/ whole body	$H_p(10)$	Photon	20 keV – 6 MeV	
			Beta	0.76 – 3.5 MeV ($E_{\beta max}$)	
			Neutron	Thermal to 5.5 MeV	
		$H_p(0.07)$	Photon	20 keV – 6 MeV	
			Beta	0.76 – 3.5 MeV ($E_{\beta max}$)	
Genesis Ultra (Thermo Fisher 7776H)	TLD/ whole body	$H_p(10)$	Photon	20 keV – 6 MeV	
			Beta	0.76 – 3.5 MeV ($E_{\beta max}$)	
			Neutron	Thermal to 5.5 MeV	
		$H_p(0.07)$	Photon	20 keV – 6 MeV	
			Beta	0.76 – 3.5 MeV ($E_{\beta max}$)	
CR39 (Integral part of Genesis/ Genesis Ultra)	Track etch/ Whole body (neutron)	$H_p(10)$	Neutron	Thermal to 6 MeV	Requires use of Genesis or Genesis Ultra

Dosemeter Make and Model	Technology / Type of Dosimetry	Operational Quantity	Radiation Type	Energy Range	Limitations of Use
APex (Badge Type 30) – OSL-BeO2-Bx	Optically Stimulated Luminescence (OSL)	$H_p(10)$	Photon	12 keV – 7 MeV	Not for neutrons
			Beta	0.565 –5 MeV ($E_{\beta max}$)	
		$H_p(0.07)$	Photon	12 keV – 7 MeV	
			Beta	0.565 –5 MeV ($E_{\beta max}$)	
MeasuRing (Thermo Fisher TLD100H)	TLD/ extremity	$H_p(0.07)$	Photon	20 keV – 3 MeV	
			Beta	0.76 – 3.5 MeV ($E_{\beta max}$)	
Finger Cot (Thermo Fisher TLD100H)	TLD/ extremity	$H_p(0.07)$	Photon	20 keV – 3 MeV	
			Beta	0.76 – 3.5 MeV ($E_{\beta max}$)	