



Certificate of Dosimetry Service Approval

Reference: ADS1204

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

Mirion Technologies (GDS), Inc.

Dosimetry Services Division

2652 McGaw Avenue

Irvine, CA 92614

USA

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: 13 December 2022

Date of Expiry: 13 December 2027

Signed:

David Pollard

Programme Manager

Schedule 1

Dosimetry Service: Mirion Technologies (GDS), Inc.

Date of Approval: 13 December 2022

| Dosemeter Make and Model | Technology / Type of Dosimetry | Operational Quantity | Radiation Type | Energy/Dose Range | Limitations of Use |
|---------------------------------|---|-----------------------------|-----------------------|---|------------------------------|
| Instadose 1 | Direct Ion Storage (DIS), whole body | H _p (10) | Photon only | 15 keV – 6 MeV 0.01 mSv – 5 Sv | Neutron and beta insensitive |
| Instadose + (ID+) | Direct Ion Storage (DIS), whole body | H _p (10) | Photon only | 24 keV – 6 MeV | Neutron and beta insensitive |
| | | H _p (0.07) | Photon only | 24 keV – 6 MeV | |
| Genesis 7776 | TLD (⁶ LiF:MgTi), whole body | H _p (10) | Photon | 20 keV – 6 MeV 0.1 mSv – 10 Sv | |
| | | | Beta | 0.766 – 3.5 MeV (E _β max) 0.1 mSv – 10 Sv | |
| | | | Neutron | Thermal to 5.5 MeV 0.1 mSv – 10 | |
| | | H _p (0.07) | Photon | 20 keV – 6 MeV 0.1 mSv – 10 Sv | |
| Beta | 0.766 – 3.5 MeV (E _β max) 0.1 mSv – 10 Sv | | | | |

| Dosemeter Make and Model | Technology / Type of Dosimetry | Operational Quantity | Radiation Type | Energy/Dose Range | Limitations of Use |
|--------------------------|---|----------------------|------------------------------|---|--------------------|
| Genesis Ultra 7776H | TLD ($^7\text{LiF:MgTi}$), whole body | Hp(10) | Photon | 20 keV – 6 MeV 0.01 mSv – 10 Sv | |
| | | | Beta | 0.766 – 3.5 MeV ($E_{\beta\text{max}}$) 0.01 mSv – 10 Sv | |
| | | | Neutron | Thermal to 5.5 MeV 0.01 mSv – 10 Sv | |
| | | Hp(0.07) | Photon | 20 keV – 6 MeV 0.01 mSv – 10Sv | |
| | | | Beta | 0.766 – 3.5 MeV ($E_{\beta\text{max}}$) 0.01 mSv – 10 Sv | |
| | | CR39 | Plastic polymer – track etch | Hp(10) | |

| Dosemeter Make and Model | Technology / Type of Dosimetry | Operational Quantity | Radiation Type | Energy/Dose Range | Limitations of Use |
|---------------------------------|---|-----------------------------|-----------------------|---|---------------------------|
| Apex OSL-Be-2-Bx | Optically Stimulated Luminescence (OSL) | H _p (10) | Photon | 12 keV – 7 MeV | Neutron insensitive |
| | | | Beta | 0.565 – 5 MeV (E _β max) | |
| | | H _p (0.07) | Photon | 12 keV – 7 MeV | |
| | | | Beta | 0.565 – 5 MeV (E _β max) | |
| MeasuRing TLD100H | TLD (⁶ LiF: MCP), extremity | H _p (0.07) | Photon | 20 keV – 3 MeV 0.2 mSv – 10 Sv | |
| | | | Beta | 0.766 – 3.5 MeV (E _β max) 0.2 mSv – 10 Sv | |
| Finger Cot TLD100H | TLD (⁶ LiF: MCP), extremity | H _p (0.07) | Photon | 20 keV – 3 MeV 0.2 mSv – 10 Sv | |
| | | | Beta | 0.766 – 3.5 MeV (E _β max) 0.2 mSv – 10 Sv | |