

ANTECH Measurement Services - Quality Assurance



ANTECH offers a variety of measurement services to the nuclear industry, ranging from the assay of small samples up to large boxes and containers. ANTECH measurement services offer high accuracy, precision measurements and technical analysis, building on over 30 years of supplying equipment and services to the nuclear industry across the globe.

A critical aspect of the instruments and services that ANTECH offers is the Quality Assurance, providing reliability, accuracy and continuous improvement for both the equipment and the services provided. It is our aim at ANTECH to advance the Nuclear Industry's expectations of measurement services and to allow it to 'lead the way' in the quality of processes and reliability of its results. To facilitate this we have obtained an ISO/IEC 17025:2017 accreditation for the measurement of bulk 'dumpy' bags and drums on our CHARMS and IMAGE systems. This ISO/IEC 17025:2017 approach extends to all ANTECH Measurement Services.

To ensure the quality of our measurements, we follow our UKAS approved processes, mapped out in ANTECH process maps:

- **AIMS-MAP-8000** 'Measurement & General Services Process' and
- **AIMS-MAP-8510** 'Measurement Method Development and Validation Process'.

These are supported by a series of control and operating procedures that cover all aspects of a measurement service and help ensure the reproducibility of our projects and measurements; AIMS-COP-8500 'UK Measurement & Consultancy Services Process Controls', AIMS-COP-8515 'Measurement Method Development and Validation Process Controls', AIMS-COP-8520 'UK Measurement Services – Project Management', AIMS-COP-8530 'UK Measurement Services – Sampling & Sample Planning', AIMS-COP-8540 'UK Measurement Services – Reporting of Results' and AIMS-COP-8545 'UK Measurement Services – Developing Finger Prints'.

These documents in turn are integrated into and supported by our ISO 9001:2015 certified Quality Management System, AIMS (ANTECH Integrated Management System), with its full suite of documents covering record control, customer satisfactions, control of non-conformities etc. and all of these procedures are reviewed on a regular basis to ensure that they are still current with the best working practices. To ensure the quality of the measurement and compliance of the methodology, all ANTECH measurement reports are validated by a quality assurance representative as part of the reporting process. Furthermore, measurement services are subject to spot audits from the ANTECH quality team.

ANTECH can offer training to customer's operators to allow for ANTECH measurement services to be carried out by the end user themselves, or their nominated representative. All training covers the key principles of ISO/IEC 17025:2017, and when measurements by trained operators are carried out using ANTECH

Measurement Assurance Checks:

- Pre-deployment calibration and calibration verification measurements on the detection system.
- Pre-Deployment Equipment inspection and Pre-Deployment Checklist
- Quality Control Measurements across the range of energies.

Quality Assurance Checks:

- Quality Assurance Review of all measurement reports prior to submission for compliance. Including report sign off.
- Spot audit checks on services processes and compliance with AIMS.

ANTECH Measurement Services; *Optimum performance, quality assured.*