

Global Proficiency offers a range of specialist services to assist with interpretation of test data and related information, including: Single-point Measurement Audits, customised ring trials, assessment of bias and accuracy, repeatability and reproducibility, measurement uncertainty, method validation, and design of sampling plans.



DATA CHEK OBJECTIVE

To assist and support our customers by implementing processes that validate, optimise and verify that procedures, routines and methods used within an organisation are performing to expectations and specifications. From sampling, production, methodology, precision and accuracy to the interpretation of the data gathered from these processes, we have the experience and expertise to help.

DATA CHEK SINGLE-POINT MEASUREMENT AUDIT SERVICE

DataChek Single-point Measurement Audit (SpMA) is a service provided to laboratories and organisations that have been unable to find a suitable or convenient Proficiency Testing Scheme and need either one-off, customised, or independently scheduled data assessment. Using readily available quality control materials, uncertified/certified reference values or traceable standards, Global Proficiency will individually tailor products, matrices, and statistical analysis to suit the varied and challenging requirements of your organisation. Our services offer an independent, impartial, and confidential means of evaluating your testing.

WHY GLOBAL PROFICIENCY?

Global Proficiency operates in accordance with international best practice. We are:

- Accredited to ISO/IEC 17043:2010 Conformity Assessment - General Requirements for Proficiency Testing
- Accredited to ISO 17034: General requirements for the competence of Reference Material Producers
- Used by New Zealand MPI (Ministry for Primary Industries), as the provider of Inter-Laboratory Comparison Programmes for the meat and food testing industries

Our Existing customers choose our services because:

- The ease of ordering and delivery products at a reasonable price.
- Our excellent communication and understanding of laboratories needs, combined with fast delivery of product and results.

- Reports are easy to read and provide all the information laboratories need.
- They assist in demonstrating the validity of results. For example, during method development.

STATISTICAL ASSESSMENT OPTIONS

DataChek SpMA's offer the flexibility of statistical assessment using either:

- Z-score type assessment which compares a laboratory result to the referenced value, using an appropriate assigned range. These ranges may include, proficiency testing standard deviations, referenced limits or uncertainties, or method reproducibilities.
- E_n -score type assessment which compares a laboratory result to the referenced value, using both the laboratory's own measurement uncertainty and the uncertainty of the referenced value to determine the accuracy and precision of the measurement.

DATA CHEK SPMA EXAMPLES

DataChek SpMA can be used by most laboratories for most tests if suitable material can be sourced. Some examples of how DataChek SpMA has been used so-far include residue testing in water using a Certified Reference Material:

- Nitrotriacetic Acid (NTA)
- Disinfection By-products (HAA, THM, Perchlorate, Bromate, Bromide, Chlorate, Chlorite)
- BTEX (Benzene, Toluene, Xylene)
- Acid Herbicides, Pollution Volatiles, SVOC, ONOP/OC Pesticides
- Rare Earth and less stable Elements, (e.g., Gd, Sm, Nd, U, Sn, W)

CONTACT US TO DISCUSS YOUR REQUIREMENTS

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PLEASE VISIT OUR WEBSITE

www.global-proficiency.com