

The FertChek Proficiency Programme is designed for laboratories routinely testing synthetic fertilisers. The programme offers a wide range of tests to participants, including the major methods used by the fertiliser industry to test these products.



### PROGRAMME OBJECTIVE

The FertChek Proficiency Testing scheme has been developed over many years to enable laboratories to validate their test methods and to benchmark their results among an established network of competent laboratories. The scheme provides independent test verification for more than 14 laboratories in 4 countries. The sample types are selected to cover a range of properties representative of the testing encountered in fertiliser industry laboratories.

### BENEFITS OF PARTICIPATING IN FERTCHEK

- **Confidence in Results:**  
Measurement of performance in comparison with other laboratories provides confidence that:
  - Precision and Accuracy of test results and test methods are within acceptable limits
  - Results from participating laboratories (or groups of laboratories) are equivalent
  - In-house methods are equivalent to national or international standard methods
- **Credibility:**  
Performance can be demonstrated to:
  - Customers
  - Regulatory Authorities
  - Accreditation Agencies
- **Compliance with:**
  - Laboratory Standards (e.g. ISO 17025)
  - Regulatory and market access requirements
- **Training:**  
Test performance from individual analysts can be monitored and reported over time.

### PROGRAMME FEATURES

- Comprehensive range of sample types and tests
- Technical direction from an independent Technical Advisory Group ensuring relevance to current industry needs
- Proven statistical format and sample quality
- Individual Reports per round for each test

### ACCREDITATION

- Global Proficiency is accredited to ISO/IEC 17043:2010 Conformity Assessment - General Requirements for Proficiency Testing; our scope

includes the FertChek programme.

- Global Proficiency is also accredited to ISO 17034: General requirements for the competence of Reference Material Producers. For information on the range of Reference Materials offered, please visit our website.

### SAMPLE TYPES

Proficiency materials in the FertChek PT scheme are despatched 3 times a year (January, July, September). Products offered in the FertChek programme include:

- Potassic super
- Sulphur super
- Phosphate rock
- Super phosphate
- Serpentine super

### AVAILABLE TESTS

Product tests include:

- Total Phosphorus
- Citric Acid Soluble Phosphorus
- Ammonium Citrate Soluble Phosphorus
- Moisture
- Cadmium
- Calcium
- Fluoride
- Grist Test
- Mercury
- Lead
- Potassium
- Sulphate Sulphur
- Free Acid (as H<sub>3</sub>PO<sub>4</sub>)
- Free Acid (as P)
- Elemental Sulphur
- Total Magnesium
- Water Soluble Phosphorus
- Formic Acid Soluble Phosphorus

\*Test lists will differ for each sample type.

**FOR MORE INFORMATION, PLEASE VISIT OUR WEBSITE**

**[www.global-proficiency.com](http://www.global-proficiency.com)**

**OR EMAIL**

**[enquiries@global-proficiency.com](mailto:enquiries@global-proficiency.com)**