

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: Conformity Assessment - General Requirements for the competence of proficiency testing providers; our scope includes the FertChek programme.

SAMPLE TYPES

Proficiency materials in the FertChek PT scheme are offered 3 times a year (February, August, October). Samples are offered as two-sample sets.

- Sulphur Super (FLR) February
- Serpentine Super (FSR) February
- Super Phosphate (FPR) August
- Potassic Super (FTR) August
- Phosphate Rock (FHR) October

AVAILABLE TESTS

Test Name	Sulph Super (FLR)	Serp Super (FSR)	Super Phos (FPR)	Potass Super (FTR)	Phos Rock (FHR)
Ammonium Citrate P	✓	✓	✓	✓	✓
Cadmium	✓	✓	✓	✓	✓
Calcium	✓	✓	✓	✓	✓
Citric Acid Soluble P	✓	✓	✓	✓	✓
Elemental Sulphur	✓				
Fluoride	✓	✓	✓	✓	✓
Free Acid (as H ₃ PO ₄)	✓		✓	✓	
Free Acid (as P)	✓		✓	✓	
Formic Acid Soluble P					✓
Grist Test					✓
Lead					✓
Mercury					✓
Moisture	✓	✓	✓	✓	✓
Potassium				✓	
Sulphate-Sulphur (as S)	✓	✓	✓	✓	
Total Magnesium		✓			
Total Phosphorus	✓	✓	✓	✓	✓
W-Soluble Phosphorus	✓	✓	✓	✓	

FOR MORE INFORMATION, PLEASE VISIT OUR WEBSITE
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