



LABORATORY EXCELLENCE, SAFETY AND ACCREDITATION

Food and Agricultural Product Testing

5 day course

Classroom, online or in-house

Course overview

Food testing supports a label claim, a trade contract and a regulatory limit, and a wrong result either lets unsafe product through or rejects a consignment that was fit to sell. This course covers the analysis. Delegates work through sampling a heterogeneous commodity, which is the largest source of error in food testing, and proximate analysis including moisture, protein, fat, fibre and ash. Contaminant testing follows: mycotoxins, pesticide residues and heavy metals, with the reasons each matters in African commodity trade. Nutritional labelling analysis is covered. Method validation and matrix effects are addressed, since a method validated on one commodity does not transfer. The course closes on proficiency testing, on standards and on defending a disputed result.

What you will learn

- Sample a heterogeneous commodity representatively
- Perform proximate analysis and interpret the results
- Test for mycotoxins, pesticide residues and heavy metals
- Produce analysis supporting a nutritional label claim
- Validate a method and account for matrix effects
- Participate in proficiency testing and act on the outcome
- Defend a disputed result against a trading partner or regulator

Who should attend

- Food and agricultural laboratory analysts
- Quality control staff in food processing
- Commodity inspection and certification personnel
- Regulatory and public health laboratory staff
- Exporters meeting destination market requirements

Course outline

- 01 Label claims, trade contracts and limits
- 02 Sampling a heterogeneous commodity
- 03 Proximate analysis
- 04 Mycotoxin testing
- 05 Pesticide residue analysis
- 06 Heavy metals and contaminants
- 07 Nutritional labelling analysis
- 08 Validation, matrix effects and disputed results

Upcoming dates

Dates	Venue	Format	Fee per delegate
28 September to 2 October 2026	Online	Online	R8,500
30 November to 4 December 2026	Windhoek, Namibia	Classroom	R19,950
4 to 8 January 2027	Lusaka, Zambia	Classroom	USD 1,325

Fees and how to register

This 5 day course is **R8,500** per delegate online, **R19,950** in the classroom in South Africa, Botswana, Namibia,



Lesotho and Eswatini, and **USD 1,325** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afriscience.co.za, or WhatsApp us on **+27 63 479 1136**.

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