

Microbiological Analysis Support



Polyoak Packaging has invested in the expansion and ergonomic design of its Central Quality Services and Analytical Laboratories to deliver consistently high quality testing and analysis.

Its modern Microbiology Laboratory in Cape Town is well equipped to assist customers with microbiological analysis when required as part of problem solving, new product development or hygiene surveys.

Our Microbiology Laboratory offers a range of standard microbial and water testing. We can also assess oxygen transmission rate (OTR) of barrier containers.

Customised support and advice is available for food microbiology, problem solving or to help investigate problems relating to product spoilage and container integrity.



Assessing hand hygiene by touch plate microbiology.



pH measurement of products.

Microbiological Analysis Support

Our service includes:

- Microbiological Tests
 - Sterility checks
 - Water microbiology
 - Cooling water *Legionella* evaluation
 - Standard microbiology tests including Total Plate Count, Yeast and Mould Count and Coliform Counts of surfaces, environment or products
 - Microscopy
- pH measurement
- Packaging suitability for new product development
- Hygiene Surveys (factories, production lines and personnel hand hygiene)
- Food microbiology advice or information
- Advising on layout and design of microbiology laboratories and methods
- Technical problem solving
- Product / packaging suitability
- Container integrity
- Oxygen Transmission Rate of barrier containers or labels
- Rapid microbiology (ATP bioluminescence) of surfaces
- Certain services may be offered free of charge



Polyoak Packaging's new Central Quality Services and Analytical Laboratory in Cape Town.



Microbial counting by plate counting methods.



Water testing by filtration method.

Expert service provided by Polyoak's Technical Specialist:

Herman Bok

MSc Microbiology (University Pretoria)
MBA (Henley Business School, UK)

Extensive experience in food and dairy microbiology, aseptic packaging and aseptic filling systems, food processing, food and packaging interactions, spoilage investigations and packaging solutions for optimum product quality and product shelf life.



Observing microbial morphology and staining reactions by means of the analytical microscope.



Testing the oxygen barrier of an in-mould labelled tub using our state-of-the-art OX-TRAN machine.



Rapid hygiene testing is done by ATP bioluminescence tests. Results can be obtained in less than 2 minutes.

CAPE TOWN 021 710-9200 • AEROTON 011 247-6000 • ROODEKOP 011 724-3800 • DURBAN 031 702-3452 • PRETORIA 011 247-6297 • EAST LONDON 043 736-6300 • GQEERHA 041 403-7200 • GEORGE 044 878-1760 • BLOEMFONTEIN 051 410-5900 • MIDDELBURG 013 246-8840 • MBOMBELA 013 246-8864 • POLOKWANE 015 299-4580 • WORCESTER 023 348-6380 • ESWATINI 00268 215 518 6875 • WINDHOEK 00264 61 301 892 • HARARE 00263 4 487 322



www.polyoakpackaging.co.za
info@polyoak.co.za