



**IBL Africa (Pty) Ltd**  
Unit 6 Milton's Way  
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## **WOOLWORTHS FOOD SAFETY & QUALITY TRAINING COURSE PROGRAMME 2023**

### **DAY ONE**

#### **Registration & Course Administration**

Introductions: Course, Facilitator & Delegate

Leadership and Food Safety Culture – Practical assessments and methodology

Food Safety and Quality Management Systems –

- Regulatory and Statutory Requirements
- Risk Management
- Hazard Analysis
- Validations
- Customer Complaints
- Change Management
- Internal Audits

Detailed Risk Mitigation: Load Shedding

- Back-up generators/hybrid system risks
- Fuel supply, quality, availability
- Solar impact, feasibility
- Climate, location, battery systems/hybrid grid
- Switch over
- Impact on critical food safety systems (Metal detection, Electronics)
- Cold Chain
- Quality management
- Secondary suppliers

The use of Artificial Intelligence in Risk Assessment

Introduction to AI in Food Safety Risk Assessments

- What is AI and its application in food safety risk assessments?
- Why use AI in food safety risk assessments?

The benefits and limitations of AI in food safety risk assessments

Overview of AI Techniques for Food Safety Risk Assessments

- Machine learning algorithms
- Artificial neural networks
- Deep learning
- Natural language processing





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#### Case Studies of AI in Food Safety Risk Assessments

- Real-world examples of AI in food safety risk assessments
- Discussion of the benefits and limitations of AI in these case studies•

#### Tea /Coffee

##### Raw Material/Packaging & Service Providers Management

- Outsourced Requirements
- Supplier Approval & Audits
- Suppliers of Services
- Ongoing Evaluation
- Specifications
- Risk Assessments & Food Fraud

##### Product Control

- NPD
- Labelling
- Packaging
- Authenticity & Claims
- RSPO

#### Lunch

##### Product Control

- Shelf Life
- Product Inspection and Testing
- Labs
- Specifications
- Traceability
- Allergen Management

#### Project Work (including Tea /Coffee)

#### Project Feedback

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#### Close of Day One





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## DAY TWO

### Process Control

- Receiving
- Handling of Non-Conforming Product
- Storage of Printed Packaging
- Storage of Raw Materials
- Issue of Packaging Materials
- Debox/Debag/Depalletizing
- Manufacturing
- Weight, Volume and Count Control
- Product Packing and Date Coding
- Dispatch and Transport
- Temperature Control & Recording Equipment

### Segregation

- Risk Assessment
- Segregation Controls
- Cleaning Controls

### Premises and Facilities

- General Design
- Walls, Ceilings and Fixtures
- Floors & Drainage
- Hand Wash Basins
- Food Defense
- Site Security
- External Areas
- Water Management & Storage
- Ice/Steam
- Air/Ventilation
- Waste Management

### Tea /Coffee

#### Foreign Body Detection & Removal

- Metal
- Glass/Hard Plastic/Ceramics
- Glass Breakage
- Plastic
- Wood/String/Fibre/Other





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#### Foreign Body Detection

- Selection of Equipment
- Hand/Optical Sorting & Screening
- Sieving & Filtration
- Magnets
- Metal Detection & X-Ray

#### Lunch

Pest Biology and Life Cycles

**Project Work (including Tea /Coffee)**

**Project Feedback**

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**Close of Day Two**





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## **DAY THREE**

### Pest Proofing

#### Cleaning & Sanitation

- Contract Cleaning
- Cleaning Standards & Instructions
- CIP
- Sculleries
- Cleaning Equipment
- Cleaning Chemicals
- Listeria Reaction Guidelines
- Guidelines for the control of Salmonella in low-moisture foods
- Assessment of Cleaning Standards
- Swabbing
- Pathogen Environmental Monitoring

### Tea /Coffee

#### Maintenance, Calibration & Verification

- Preventative Maintenance Program
- Workshop & Tools
- Engineering Practices
- Lubricants & Chemical Hazards
- Post Maintenance Inspections
- Calibration & Verification

#### Hygienic Engineering & Design

- EHEDG
- Welding, Joints & Interfaces
- Wheels & Equipment Feet
- Pipelines

### High Risk Food Manufacturing Requirements.

### Lunch

#### People Management

- Practices
- Personnel Amenities
- Medical Screening
- Protective Clothing
- Laundry





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- Training

Incident Management

- Incident Management
- Workplace Accidents
- Recalls & Withdrawal
- Cyber security risk mitigation

**Project Work (including Tea /Coffee)**

**Project Feedback**

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**Close of Course**

