

The chemistry lab. At the UNBS
by Group one

- ❖ The lab. Is accredited by SANAS for a number of tests in about 14 matrices (vegetables, fruits, water, honey, milled cereals)
- ❖ Samples received from manufactures, private clients, importers and complaint samples
- ❖ Sample storage- shelves, refrigerators, freezers, cabinets
- ❖ General testing –done for compliance checks

EQUIPMENT

- ❖ ICP-heavy metals analyses
- ❖ AAS-heavy metals
- ❖ HPLC-Vitamin A
- ❖ Garber Centrifuge-milk fat content
- ❖ Lactoscan-milk analyses
- ❖ GC/MS
- ❖ Protein Analyser
- ❖ Furnace
- ❖ Oven
- ❖ Microwave digester
- ❖ Analytical balance

WITNESSING TEST-IRON & VITAMIN A

- Fe and V.A in flour using iCheck equipment
- Sample preparation procedure
- Sample incubation (6-24hrs)
- Actual analyses and computation of results

COMPLEMENTS

- ❖ The lab was very organised and neat
- ❖ Well equipped
- ❖ Analyst was competent
- ❖ Good laboratory practice-

challenges

- ❖ Participant noted a difference in the procedure followed, for the same test
- ❖ Is the method really RAPID?-given the 6-24hr incubation period!
- ❖ Is the Method Cheaper?
- ❖ Result computation-*a little confusing*
- ❖ *Limited space*

SUGGESTIONS

- ❖ Expand the lab space
- ❖ Consider aflatoxins for accreditation

Group two

- The main role of lab is to analysis for all samples

Tender evaluation

Quality control of imports and exports

Internal samples for product certification, standard dev. And market surveillance, interlaboratory samples and internal and external trainings

observation

- Today they concentrated on consumer safety
- Ichecks- observed that it can do a lot of samples much quicker
- Poor ventilation

Some safety measures were not obvious eg eye wash

Missing accreditation for micronutrients

Good hospitality

Easily accessible(good geographical area)