Certification of Natural Products

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Aim of Presentation

- Provide background to SABS
- Standards as a foundation
- Conformity assessment
  - Testing
  - Certification
- Possible examples of SABS Value to emerging industries
- SABS & SMME Development
About the SABS

• Established by Standards Act, 1945 (2008 amended)
  o Develop, promote and maintain SANS through a consensus driven process
  o Promote quality in connection with commodities, products and services
  o Render conformity assessment

• Founder member & ISO representative in South Africa
  o Access to ISO standards
  o Access to ISO Technical Committees
SABS Value Chain

Technical committee-membership from industry, consumers, NGOs, government, and experts

Testing: SABS tests a product against specific criteria and reports on the results. These results determine the performance of the product.

Certification: SABS gives written assurance that a product, service or system conforms to specific requirements.

Conducted by SABS, industry experts and academics
Standards – What are they?

• A Standard:
  o Provides rules, guidelines or characteristics
    ▪ for products, services, processes or production methods
    ▪ terminology, symbols, packaging, marking or labelling
  o Based on consolidated results of science, technology and experience
  o *Aimed at promotion of optimum community benefits*
SABS Standards

• A South African National Standards (SANS)
  o Approved and published by SABS
  o Agreed to by consensus by a committee
  o Subjected to public comment

• Standards lay the foundation for:
  o Testing
  o Certification
Benefits of Standardisation

• Standards inspire innovation and product development
• Create new markets for products and services
• Provide certainty to consumers about the products
• Consolidation of knowledge leading to preservation and protection
• Creation of new industries
• Access to international markets

From plants to tablets
Certification – What is it?

✓ Process where an accredited certifying organisation provides written assurance that a product, process or service conforms to certain written standards

✓ Process for certification incorporates:

• Standards – are there any applicable to the product/system

• Testing – laboratory testing of product/system against standard
Management Systems Certification

- ISO 9001 - Quality MS
- ISO 14001 - Environmental MS
- OHSAS 18001 - OHS
- ISO 22001 - Food Safety MS
- HACCP - Food Hygiene MS

- ISO 16949 - Automotive MS
- ISO 27001 - Information Security MS
- SANS 16001 - HIV/AIDS MS
- ISO 13485 - Medical Devices MS
Systems Certification Process

1. Start
2. Readiness Survey
3. Gap Analysis & Actions
4. Stage one Assessment
5. Certificate of Findings
6. Recommendation For registration
7. Regular audits
8. 3-Year Re-Ass
The SABS Mark Scheme is a Product Certification

SABS Mark Scheme is the only product certification scheme legislated in law

PRODUCT Certification provides assurance of compliance to specified STANDARDS
Product Certification Process

Start → Product Testing → Gap Analysis & Actions

→ Audit of Quality Management System

→ SABS Approvals Board

→ Recommendation For registration

→ Yearly Testing and Auditing

→ 3-Year Re-Ass
## Testing Laboratories

### Chemical, Bio & Materials Laboratories
- Microbiology
- Chromatographic Services
- General Analytical Chemistry
- Agri-Trials
- Fibre & Polymer Tech
- Condoms & Radiation Protection Services
- Rubber and Plastics
- Water Analysis

### Engineering Laboratories
- Mechanical & Fluid
- Building Materials, Packaging & Fabrication
- Electronics & Appliances
- Lighting & Metrology
- Explosion Prevention, Fire Protection & Rotating Machines

### Automotive
- Vehicles/Trailers
- Emissions & Battery
- Tow Bars

### Mining and Minerals
- Coal Analysis
- Coal Testing
- Iron Ore
Training Services

- ISO 9001
  Quality Management Systems
- ISO 14001
  Environmental Management Systems
- OHSAS 18001
  Occupational Health and Safety
- HACCP
  Food Hygiene Management Systems
- ISO 22001
  Food Safety Management System
- PAS 220
  Pre-Requisite Programmes
- PRODUCT CERTIFICATION
  SABS Mark Scheme
- ISO TS 16949
  Automotive Management Systems
- ISO 27001
  Information Security Management Systems
- SANS 16001
  HIV/AIDS Management System
- ISO 13485
  Medical Devices Management System
Practical Model - Local Content Verification

- SABS appointed agent to verify local content by DTI
- Measure & Verify local content per Preferential Procurement Policy Framework Act (PPPFA) for designated sectors
  - Document these in a SATS (South African Technical Specifications)
  - Appoint an accredited verification agency
- Model work for Nagoya Protocol implementation??
Practical Example – Aloe Industry

✓ Standards
  o ARP029 – Guideline for Good Agricultural and Collection Practices
  o SANS 368:2007 – Aloe Raw Material

✓ Conformity Assessment
  o Testing – does it conform to standards?

✓ Certification: Facility – HACCP?
  QMS – 9001?
  o Product – SABS Mark
SMME SUPPORT

- Standards
- Certification
- Training
- Design Intervention

SABS SMME’s
Sustainable SMME - Challenges

Consumers
- Unlock demand & grow revenue
- Create & maintain standards

R&D
- Knowledge sharing platform – information is available but not shared

Production
- Strategies for sustainable supplies of raw materials – cultivation

Products
- Design products that people want
- Improve existing products - packaging

Sales & Marketing
- Create market linkages and efficiencies
- Extend to current industry