



Testing of essential and vegetable oils

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Vegetable oils

Outcomes of the GQSP SA

1. The technical competence and sustainability of the National Quality Infrastructure System and the conformity assessment services that serve the selected value chains is enhanced.
2. SME compliance with international standards and technical regulations is enhanced.
3. A culture for quality is promoted.



Cost of Compliance

- Need – to gain market access.
- Time + Money
- Implementing and maintaining a quality management system, meeting standards, technical regulations requirements
- the cost of testing, inspection, labelling and other buyers/customer requirements.
- Testing requires a suitable and credible CoA (Certificate of Analysis).

During the implementation of the project it became clear that the cost of compliance for SME's to gain market access is a major challenge.

Project pilot support

Development of a support scheme for SME's in the GQSP-SA project focus the essential and vegetable oils sector to have their oils tested, preferably at an accredited test facility or a facility that is in the process of gaining accreditation.

Project focus oils

Essential Oils	Vegetable Oils
<ol style="list-style-type: none">1. Pelargonium, var Rose (Rose geranium)2. Eriocephalum punctulatus (Cape Chamomile),3. Agathosma spp. (Buchu),4. Helichrysum spp5. Lippia spp	<ol style="list-style-type: none">1. Adansonia digitata (Baobab),2. Schlerocarya birrea (Marula),3. Citrillus lanatus (Kalahari melon),4. Ximenia spp5. Manketti/Mongongo

Quality tests supported

Essential oils	Vegetable oils	
Density	Fatty acids	Unsaponifiable Material
Refractive Index	Iodine Value	Relative Density
Optical rotation	Saponification Value	Refractive Index
Miscibility	Peroxide Value	Insoluble impurities
Acid value	Anisidine Value	Moisture
GC profile	Free fatty acid and Acid value	

Overview of Proposed Scheme Pilot

- Enable producers to afford obtaining credible (accredited) COA's.
- Ensure that the scheme has a cost sharing approach.
- Provide a single point of contact, providing both producers and test labs with a cost effective solution.
- Independently gather data to provide producers the opportunity to profile the oil produced
- To provide stakeholders with guidance regarding the value chain.

Cost sharing

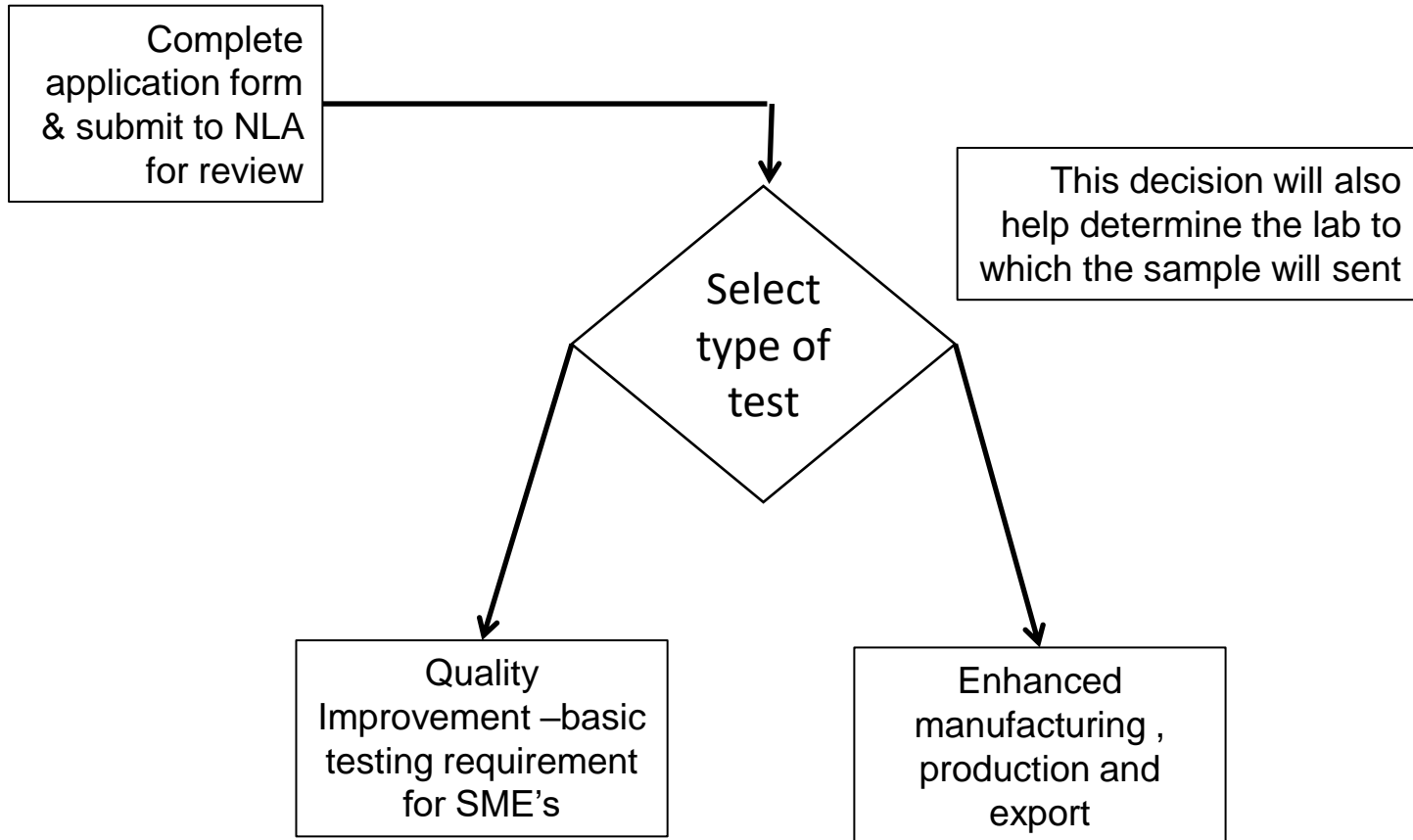
Pilot initial funding will support the following funding model

Producer – 20% of cost to test

Co-operating partner – 80% of cost to test

No. of tests samples to be supported \approx 40

Step 1



Step 2

Select test lab, place order, obtain results etc

Step 2

Lab selected based on required testing and place order

Producer will send sample to selected lab

Lab will conduct testing

Certificate will be sent to producer
Copy to the NLA to be forwarded to SAEOPA

THANK YOU

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