



## ***Special investigation into food fraud: adulteration of local and imported milk and other dairy products.***

(PRJ-0172-2017)

### **DAIRY STANDARD AGENCY**

**Year 2017** (January 2017 till December 2017)

#### **Project goals**

**Goal 1 - To identify specific possible fraudulent practices in milk and other dairy products of food safety and product compositional concern, determine the availability of specific analytical methods (where applicable have the analytical methods developed by independent non-commercial laboratories) and testing of products. The outcome of the investigation is to serve as part of a Milk SA report on the status of food fraud of locally processed milk and other manufactured dairy products as well as imported dairy products over a predetermined period.**

#### ***Achievements***

During the third and fourth quarter of 2017 the DSA conducted research in conjunction with experts and expert companies (national as well as international) specialising on the subject of food fraud continued resulting into an elimination process of methods of analysis.

Although specific fraudulent practices are now listed the focus remains on the continuation of further development and establishment internationally recognised analytical methods that would be affordable to use in the South African context.

Spectrophotometry technology was researched in order to identify and determine specific adulteration methods of milk and other dairy products, Test runs in collaboration with an international well known supplier of technology and national analytical laboratory was earmarked during Cycle 63 (October – December 2017) at no cost in order to:

Determine if the technology can be effectively applied in order to identify adulteration;

Be able to develop an extended software programme suitable for the South African dairy industry to effectively screen for abnormalities in dairy products with the assistance of a qualified Chemometrician (person who generate NIR calibrations.)

Although specific fraudulent practices are now listed the focus remains on the continuation of further development

#### ***Non-achievements / underperformance***

Due to the unavailability of the expert services during the fourth quarter the work has been put on hold and to be continued following a formal request to Milk SA in 2018. As the project is still in the preliminary phase no allocated funds from the project were used at this stage.

#### ***Reasons for non-achievements / underperformance***

Due to the unavailability of the expert services during the fourth quarter the work has been put on hold and to be continued following a formal request to Milk SA in 2018, As the project is still in the preliminary phase no funds from the project were used at this stage.

#### ***Planned remedies for non-achievements / underperformance***

and establishment internationally recognised analytical methods that would be affordable to use in the South African context. The work however could not be completed towards the end 2017. No allocated funding was used during 2017.

In view of the nature of the work conducted in conjunction with national and international expertise it is considered appropriate to formally request Milk SA to continue with the project during 2018.

## Income and expenditure statement

Income and expenditure statement	<a href="#">CORFIN090 Std Quaterly report - Project Advances - PRJ 0172 Food Fraud - December 2017.xlsx</a>
Unnecessary spending during period	No

## Popular Report

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## Additional documentation

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## Statement

Levy funds were applied only for the purposes stated in the contract	No
Levy funds were applied in an appropriate and accountable manner	No
Sufficient management and internal control systems were in place to adequately control the project and accurately account for the project expenditure	Yes
The information provided in the report is correct	Yes