



Improvement of the quality of milk and other dairy products and compliance with legal standards

(PRJ-0144-2017)

Dairy Standard Agency

Quarter 1 2017/2017 (January 2017 till March 2017)

Project goals

Goal 1 - National monitoring of milk and other dairy products in collaboration with Health Authorities

Achievements

The quarterly sample runs for cycle 60 were completed as per the predetermined schedule and the amount of samples per product are indicated in Table 1 below.

Dairy Product	Total
Fresh milk in the categories named packed pasteurised and unpasteurised, pasteurised and unpasteurised retail bulk milk	343
Yoghurt including plain and flavoured and yoghurt with added fruit and/or foodstuffs 103 and 64 drinking yoghurt	169
Cultured milk 117, 27 cultured buttermilk, 7 buttermilk	151
Total	663

Table 1

7 Metropolitan municipalities, 12 district municipalities and 56 local municipalities participated in the sampling runs representing all provinces.

Samples were submitted to SANAS accredited laboratories as per standard procedure and results of milk and other dairy products were benchmarked against food safety, compositional and trade metrology standards as respectively gazetted under the Foodstuffs, Cosmetics and Disinfectants Act, 1972 (Act 54 of 1972), Agricultural Product Standards Act, 1990 (Act 119 of 1990) and the Trade Metrology Act, 1973, (Act 77 of 1973).

Non-conforming results obtained were assessed and communicated to the processors for further action. Contact details of participating authorities as well as processors were updated as per standard procedure.

Non-conformance reports regarding Cycle 60: >2% added water, inhibitory substance positive, phosphatase positive and E.coli positive were also forwarded to the relevant authorities for further action.

No Non-achievements / underperformance has been reported

Goal 2 - Investigations regarding complaints received in respect of product compliance with legal standards

Achievements

1st Quarter of 2017

Investigations regarding complaints related to:

Extended shelf life of cultured milk products - standard investigation completed – complaint referred to special investigation for further analysis during 2017;

Underweight milk sachets sold in WC;

% butterfat of milk lower than stipulated as per the class designation, Table 1, R260;

% butterfat of drinking yoghurt lower than stipulated as per the class designation, Table 6, R260;

Nutritional table do not comply with R146 – Yoghurt;

Defective packaging – UHT milk.

No Non-achievements / underperformance has been reported

Goal 3 - Special investigations

Achievements

1st Quarter of 2017

Special investigation regarding the addition of milk powder and milk protein concentrates to fresh milk and UHT milk – this investigation was initiated in 2016 and is ongoing into the second quarter of 2017.

No Non-achievements / underperformance has been reported

Goal 4 - Milk and other dairy products: Risk identification

Achievements

Reports on non-conforming results were forwarded to the respective government departments at the end of Cycle 60. Each participating municipality received a quarterly report on the analysis done of samples submitted. Non-conforming processors as well as processors whose contact details were verified and who requested to receive test results were provided with individual test reports. Quarterly reports forwarded to Health Authorities are indicated in Table 2.

Table 2

Province	Reports to Health Authorities
MP	13
LP	26
WC	22
NW	31
GA	33
FS	35
NC	2
EC	29

The DSA national dairy monitoring program provides for the sampling of the categories namely packed pasteurised and unpasteurised milk and retail bulk pasteurised and unpasteurised milk as well as other dairy products. Relevant information regarding food safety and compositional standards for milk and other dairy products were communicated to the dairy industry and other organisations.

NATIONAL AND INTERNATIONAL FOOD SAFETY AND RECALL MONITORING

International food risk monitoring - The following websites and RSS feeds* were monitored on a weekly basis for possible food safety scares that might affect the local dairy industry:

www.foodproductiondaily.com

www.dairyreporter.com

FSA newsletters and alerts

Dairy Markets monthly newsletter

www.fda.gov/Safety/Recalls/

www.foodqualitynews.com/...Alerts/

www.foodqualitynews.com/Food-Alerts/New-evidence-calms

www.dairysafe.vic.gov.au/

www.foodsafety.gov

www.thefoodsafetynetwork

International Food Safety Authorities Network (INFOSAN)

European Union Rapid Alert System for Food and Feed (RASFF) – newsletters

Google Alert - food poisoning: Food Production Daily

www.foodpoisonjournal.com;

www.foodsafetynews.com;

www.recalls.gov.au;

efoodalert.net;

www.fastmoving.co.za

22 cases were recorded of which 20 related to incidents in the USA and 2 in South Africa.

Focus remained on raw milk and milk products due to prevailing high trend of non-conformances detected as a result of the DSA National milk monitoring program in collaboration with Health Authorities. None of the food safety international alerts monitored and in terms of imports import posed a health risk to the South African dairy industry. The two South African cases were isolated and either dealt with by the authorities and as per the implicated company's food safety management policies.

*RSS (Rich Site Summary) uses a family of standard web feed formats to publish frequently updated information: blog entries, news headlines, audio and video.

No Non-achievements / underperformance has been reported

Goal 5 - Remedial action programs with processors and distributors

Achievements

Quarterly milk and other dairy product sample results once processed were forwarded to the respective PD's and processors/manufacturers. These activities were followed up by means of interaction with PD's and processors/manufacturers regarding non-conforming test results as well as recommendations for corrective actions. Communication is done either by means of a telephone call, e-mail report, posted report or a visit to the facility. Environmental Health Practitioners (EHP's) were also requested to communicate all test results to the relevant parties. DSA technical personnel provided the respective processors and producer/distributors and retailers (milk shops) with comprehensive reports after the visits that are also used for further reference purposes.

Province	Areas visited	Companies visited	Telephone calls	E-mails	DSA further assistance provided
Gauteng	5	11	7	20	5
Mpumalanga	0	0	16	30	6
Free State	1	1	7	19	4
North West	7	17	3	12	6
Western Cape	0	0	0	38	0
Eastern Cape	0	0	0	8	0
Limpopo	2	4	1	8	5
KwaZulu Natal	0	0	7	36	0

* Producer distributors (PD's) are defined as milk producers that are also engaging in the packing, distribution and selling of milk whether raw or as heat treated milk and may include other dairy products.

No Non-achievements / underperformance has been reported

Goal 6 - Communication with the authorities and other organisations

Achievements

Communication with authorities and other organisations
Department of Health: Directorate Food Control

DSA in its supportive role, assisted the industry with a substantial amount of queries relating to food labelling requirements as well as dairy technical matters, which in several cases resulted in facilitation processes with the Directorate Food Control. DSA as member attended the bi-annual Food Legislative Advisory Group meeting of the Directorate on 30 March 2017.

b. Municipal Health Authorities

Communication with the municipal health authorities based on information obtained from project 1 continued in the first quarter. Communication is primarily focused on the implementation of remedial action on non-conforming/substandard milk and other dairy

products. Interactions with Environmental Health Practitioners are also used to encourage information and education sessions as an industry initiative to promote the improvement of milk and other dairy product safety and quality.

c. Department of Agriculture, Forestry and Fisheries (DAFF)

i) Directorate: Inspection Services (IS)

Cycle 60 results regarding infringements in terms of the Regulations relating to dairy and imitation dairy products, as a result of the DSA national monitoring program were communicated to the Guardian Manager for the Agricultural Products Standards Task Team of the Directorate. Misleading claims, incorrect composition and labelling of dairy products continued to serve as priority.

ii) Directorate Food Safety and Quality Assurance – FSQA (policy making)

Communication with FSQA continued regarding dairy product composition queries, interpretation of the Regulations relating to dairy and imitation dairy products and the standards and requirements relating to export of dairy products. Follow up facilitation process regarding industry dispensations relating product compositional standards and labelling requirements and formal communication with industry via the Regulations and Standards Project of Milk SA continued.

iii) Directorate Animal Health

DSA liaison with the directorate was limited to communication regarding chemical residue monitoring by the DSA in terms of its national milk and other dairy product monitoring programs and the Departments' Residue Monitoring and Control Programs as well the Veterinary Procedural Notices relating to export certification of dairy facilities on 8 February 2017.

d. Department of Basic Education

DSA presented at the National School Nutrition Programme Forum regarding food safety and compositional standards of milk and other dairy products.

e. National Regulator for Compulsory Specifications (NRCS): Legal Metrology

Standard procedure provides for a quarterly report regarding metrology infringements to the Senior Manager, inspections: Legal Metrology NRCS. One complaint has been lodged with the NRCS in January 2017 relating to a milk processor in the Western Cape with continuous non-conforming results.

f. Perishable Product Export Control Board (PPECB)

Industry and PPECB comments were collated and shared with DAFF. The draft SOP was completed to the next phase of finalisation in the final quarter of 2016 when all collated comments would be considered for inclusion into the draft as well as the annexures to the draft relating to the PPECB process flow and documentation control. A formal meeting took place on 22 March 2017 to finalise the draft SOP for circulation to industry.

g. South African Auditor and Training Certification (SAATCA)

DSA as member of SAATCA attended the AGM on 10 March 2017.

h. South African Bureau of Standards (SABS).

DSA continued to serve on the Technical Committee SABS TC 70/SC 4, Legal Metrology - sale of goods as well as the SABS TC 034 SC 17 Food products – Hygiene practices in the food industry and technical committee of the SABS TC 1094, Livestock welfare, developing SANS 1694, Standards relating to the welfare of dairy cattle which is in the final stages of completion for public comment. DSA participated in the balloting of draft standards as well as commented on drafts namely SANS 10049, SANS 10330 and ISO standards via the ISO electronic system. 4 SABS meetings were attended during the first quarter. Outcomes of meeting where applicable were communicated to the Regulations and Standards Project of Milk SA.

i. South African Institute for Environmental Health (SAIEH)

DSA presented at the SAIEH National Symposium on the topic "Safe dairy- the importance of effective regulation and communication" on 31 March 2017.

Communication with other organisations

Milk SA, MPO and SAMPRO

DSA attended the Milk SA Advisory Committee meetings on which it serves and also interacted on a regular basis with the project managers of the Milk SA Consumer Education Project and SAMPRO Training. As standing arrangement, DSA continued to meet regularly with the Consumer Education Project Manager to discuss relevant issues. During the first quarter DSA consulted regularly with the organised dairy industry via the Regulations and Standards Project of Milk SA regarding regulatory matters and the Transformation Project of Milk SA on facility assessment in April 2017 of a community based dairy in Limpopo.

CGCSA: FSI – DSA as member of the Food Safety Initiative (FSI) interacted on a regular basis with management regarding share of regulatory information.

IDF – DSA MD is a member of SANCIDF and of the IDF Standing Committee: Standards of Identity and Labelling and provide inputs to SANCIDF electronically. A report to this effect is prepared for the SA National Committee. The SANCIDF meeting was attended on 29 March 2017 with feedback reports regarding the IDF standing committee and IDF WDS in Rotterdam.

SANCU - DSA communicates with the SA National Consumer Union regarding dairy food safety and quality related issues as and when required. Following the retirement of Mrs Moolman as long standing director and member representative of SANCU Mrs Ina Wilken has been nominated as the new SANCU member representative to the DSA.

SASDT - DSA as elected member of the management of SASDT Northern division participated in the 2017 SASDT meeting and planning of the SASDT national symposium during the first quarter. DSA also presented at the first SASDT Northern Division AGM on the subject of food labelling with functional claims on milk and dairy products.

SAAFoST – DSA as member of SAAFoST participate in association's activities when applicable.

Tertiary institutions – DSA serves as a member of the Advisory Committee of the Department of Environmental Health at the Tshwane University of Technology as well as Nelson Mandela Metropolitan University. The purpose of the advisory committees is to give industry inputs and assist the universities with the development of course material for Environmental Health Practitioners. Two meetings are scheduled to take place on 15 and 25 May 2017.

No Non-achievements / underperformance has been reported

Goal 7 - Liaison on legislation with authorities and other organisations

Achievements

Although a blended role of activities exist it is important to note that the work of the Regulations and Standards project of Milk SA project is not a duplication of this DSA project. The fundamental difference of Project 7 relates to the relationship and involvement of DSA as self-regulatory initiative with government structures and execution of the law. The Regulations and Standards Project of Milk SA relates to participation in the formalisation of draft regulations and standards and comments on regulatory matters, as well as communication through Milk SA in the interest of the dairy industry and other stakeholders.

DSA continued liaison with the authorities regarding the following legislation and standards:
Department of Health: Directorate Food Control: Foodstuffs, Cosmetics and Disinfectants Act, 1972 (Act 54 of 1972)

Regulations relating to the labelling and advertising of foods: Amendment (R429 of 29 May 2014).

2. Department of Agriculture, Forestry and Fisheries: Agricultural Product Standards Act, 1990 (Act 119 of 1990)

Regulations relating to the classification, packing and marking of dairy products and imitation dairy products intended for sale in RSA (R260/2015) and dispensations.

DAFF appointed assignee i.t.o. the APS Act.

PPECB as assignee in terms of the Regulations regarding control of the export of animal products, R422 of 22 May 2015.

Draft regulations to the protection of geographical indicators used on agricultural products intended for sale in the Republic of South Africa.

DAFF guidelines on Pictorial depictions allowed on packaging.

Revised standards for fresh (unripened cheese) in terms of R260 of 15 March 2015 based on Codex standards.

3. Non-compulsory South African National Standards – SABS

SANS 10049: 2012 – Edition 4, Food safety management - Requirements for prerequisite programs (PRPS).

SANS 10330: Food safety - Requirements for a Hazard Analysis and Critical Control Point (HACCP) system.

SANS 479/ISO 5738 Milk and Milk Products – Determination of Copper Content – Photometric method.

4. Compulsory South African National Standards – SABS

Adoption of ISO standards referred to in the R260/2015 Regulations relating to the classification, packing and marking of dairy products and imitation dairy products intended for sale in the Republic of South Africa, R260 of 2015 under the Agricultural Product Standards Act, 1990 (Act 119 of 1990) as SA National Standards by the SABS.

5. Codex Alimentarius and ISO

ISO/TS 22002-3:2011 - Prerequisite programmes on food safety - Part 3: Farming

ISO/TS 22002-6:2016 - Prerequisite programmes on food safety - Part 6: Feed and animal food production.

6. Treasury Department

A formal response regarding the matter of taxation of sugar sweetened beverages with specific reference to affected dairy products was submitted via the Regulations and

Standards Project of Milk SA to the Standing Committee on Finance and Portfolio Committee on Health. The formal response was upheld during the request for comments on the

2017 Draft Rates and Monetary Amounts and Amendment of Revenue Laws Bill-Closing with closing date 31 March 2017.

7. DSA Technical Committee

The programme of work initiated during the first quarter entailed the standardisation of calibration methods by SA laboratories due to:

Lack of valid milk local calibration standards with appropriate metrological values to calibrate instruments for the measurement of fat, protein, lactose, milk urea nitrogen and SST;

Differentiation in calibration using standards from different origin at different frequencies;

Currently the most acceptable standard is the imported “Certified Reference Materials = CRMs” with valid “Certificates of Analysis =COAs”;

Technical Work Group to meet with DAFF and other stakeholders to formulate proposals for submission to the organised dairy industry.

The work is to continue during the remainder of 2017.

No Non-achievements / underperformance has been reported

Goal 8 - Information and education

Achievements

DSA presents information sessions based on the DSA Code of Practice and related guideline materials to professional EHP's as well as student EHP's, on a national level, as well as students in the veterinary and food science disciplines. These information sessions are also available to other professions and government/municipal officials, milk producers, processors and distributors that require information regarding food safety and quality standards on a national level. The project planning was initiated in the first quarter with the initial schedule as per Table

4 below:

Table 4

Date planned	University
24 May 2017	DUT
25 May 2017	MUT
2 June 2017	UJ
17 July 2017	NMMU
3 August 2017	CUT
4 September & 11 September 2017	TUT
Date not confirmed yet	CPUT

No Non-achievements / underperformance has been reported

Goal 9 - Media communication

Achievements

Two advertorials relating to food safety and product composition were published in the Dairy Mail and Veeplaas as well as two radio talks took place on two different national radio stations.

No Non-achievements / underperformance has been reported

Goal 10 - Development of guideline documentation

Achievements

Review of the draft DSA Retail Bulk Tank Guidelines has been completed in the last quarter of 2016. The draft document has been forwarded to Department of Health to determine the alignment thereof with the new draft Regulations Governing General and Hygiene Requirements for Food Premises and the Transport of Food (R364/2015). The second draft was completed during the first quarter of 2017.

No Non-achievements / underperformance has been reported

Goal 11 - Milk SA Regulations and Standards Project

Achievements

Regulations and Standards Project of Milk SA

The management committee of the project continuously interacted with electronic correspondence to the members of the Advisory Committee on a regular basis. Where applicable

outcomes of correspondence were forwarded to the organised dairy industry on an informative basis or requesting comments on regulations and standards. 1 Management meetings was held in the first quarter on 2 March 2017. An update of the Project progress report is attached to the quarterly report.

No Non-achievements / underperformance has been reported

Income and expenditure statement

Income and expenditure statement	6. 7.4 Februarie 2017 verslag Statutêr.msg Februarie 2017, bl 2 - 5.pdf Februarie 2017, bl 8.pdf Februarie 2017, bl1.pdf
Unnecessary spending during period	No

Popular Report

[DSA Quarterly summary report January to March 2017.pdf](#)

Additional documentation

[Updated Project Progress R&S 2017 .pdf](#)

Statement

Levy funds were applied only for the purposes stated in the contract	Yes
Levy funds were applied in an appropriate and accountable manner	Yes
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