

File No. 11014/02/2021-QA
Food Safety and Standards Authority of India
(A statutory Authority established under the Food Safety and Standards Act, 2006)
(Quality Assurance Division)
FDA Bhawan, Kotla Road, New Delhi – 110002

Dated: 24th July, 2023

ORDER

Subject: Clarification regarding analysis of Milk Protein (Milk Solids Not Fat basis) in Dairy Whitener -reg.

This order is in supersession of order no. File No. 11014/02/2021-QA released *vide* dated 23rd May, 2023. The formula for calculating Milk Solids Not Fat (%) while calculating Milk Protein on SNF basis in Dairy Whitener specified under Method No. FSSAI 01.062:2022 of FSSAI Manual of Methods of analysis of Dairy and Dairy Products-2nd edition, excludes fats and sugars from total solids and does not account for other carbohydrates like Dextrose/Maltodextrin (when used in Dairy Whitener), which also contributes to total solids. Due to non-consideration of other carbohydrates in calculation of Milk Solids Not Fat (%), it leads to low “% protein on MSNF basis” in Dairy Whitener.

2. In this regards the Scientific Panel on Methods of Sampling and Analysis has revised and approved the following formula for MSNF (%) in Dairy Whitener while calculating Milk Protein on Solids Not Fat basis in Dairy Whitener.

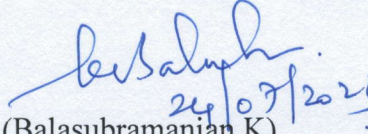
$$\text{Milk Solids Not Fat (m/m \%)} = \text{Total solids (m/m, \%)} - \text{Total added carbohydrates* (m/m, \%)} - \text{Fat (m/m, \%)}$$

***Total added carbohydrates include sucrose (by analysis), Dextrose and Maltodextrin (from label till the method of analysis established)**

3. The FSOs and DOs shall provide the value of Dextrose/Maltodextrin content specified on the label of Dairy Whitener while sending samples to laboratories for analysis till the new method for estimation of Dextrose/Maltodextrin is established and Food Analyst shall include these values in the formula for calculation of MSNF%.

4. All FSSAI Notified and State Food testing laboratories shall follow the above formula till the new method for estimation of Dextrose/Maltodextrin is established.

This issues with the approval of Competent Authority.


(Balasubramanian.K)
Joint Director (QA)

To:

1. All State Food Safety Commissioners
2. All FSSAI Notified Laboratories
3. All State Food Testing Laboratories

For Information:

1. SPS to CEO, FSSAI
2. ED (CS), FSSAI
3. Advisor (QA), FSSAI
4. Advisor (S&S), FSSAI
5. Director (Imports)
6. Director (Regulations)

ORDER

Subject: Clarification regarding analysis of Milk Protein (Milk Solids Not Fat basis) in Dairy Whisker - veg

This order is in pursuance of order no. File No. 1101/W023021-QA issued vide dated 22nd May, 2023. The formula for calculating Milk Solids Not Fat (%) while calculating Milk Protein on SNF basis in Dairy Whisker specified under Method No. FSSAI 01/W023021 of FSSAI Manual of Methods of Analysis of Dairy and Dairy Products-2nd edition, excludes fat and sugar from total solids and does not account for other carbohydrates like Dextrose/Maltodextrin (when used in Dairy Whisker), which also contributes to total solids. Fat is non-considered in calculation of Milk Solids Not Fat (%) as it leads to low % protein on MSNF basis in Dairy Whisker.

1. In this regard the Scientific Panel on Methods of Sampling and Analysis has reviewed and approved the following formula for MSNF (%) in Dairy Whisker while calculating Milk Protein on Solids Not Fat basis in Dairy Whisker:


$$\text{Milk Solids Not Fat (snf, \%)} = \text{Total solids (snf, \%)} - \text{Total added carbohydrates}^* (\text{snf, \%}) - \text{Fat (snf, \%)}$$

*Total added carbohydrates include sucrose (by analysis), Dextrose and Maltodextrin (from label fill the method of analysis established)

2. The ESQs and DOS shall provide the value of Dextrose/Maltodextrin content specified on the label of Dairy Whisker while sending samples to laboratories for analysis fill the new method of calculation of Dextrose/Maltodextrin is established and Food Analysts shall include these values in the formula for calculation of MSNF.

3. All FSSAI Notified and State Food testing laboratories shall follow the above formula fill the new method for calculation of Dextrose/Maltodextrin is established.

This issue with the approval of Competent Authority.


(Signature)
John Dinesh (IA)

- To:
1. All State Food Safety Commissioners
 2. All FSSAI Notified Laboratories
 3. All State Food Testing Laboratories