

Practical Exercise 11

Reception weighing and sampling of raw milk

Objective: *In this chapter we learn to collect, accept & weigh the supplies of the milk from different sources. Check the condition of milk supplies at the chilling plant.*

Equipments

Milk tanker

Cans

Milk weighing pool

Milk pump

Cold milk filters or milk strainer

Milk storage tank

Milk testing apparatus

Procedure

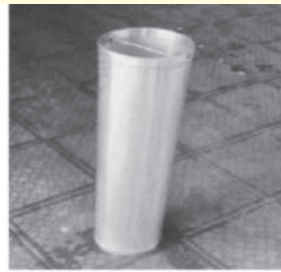
- Observe milk reception operations at dairy plant (milk is brought on the reception dock by cans/tankers from individual farmers/collection centers/chilling centers)
- Take an adequate sample from each can and tankers received at dairy plant. Also collect composite sample from each producer/supplier for more detail examination of milk.



Milk can



Milk pump



Milk strainer



Milk sample bottle



Road milk tanker



Milk storage tanks

- Remove the sub-standard/doubtful cans from each supplier and reject milk tankers showing abnormalities.
- Weigh the milk received from individual supplier either in cans or tankers.
- Enter weight of milk received in the milk receipt sheet/book supplied.
- Dump the milk into tipping tank/dump tank.
- Pump the milk into the cold milk filter/strainer and collect the milk in to storage tank.

STUDY QUESTIONS

1. What is the use of milk can?
2. What is the role of milk strainer?
3. Why sampling is important?
4. What is sub-standard milk?
5. Why storage tanks/silos are required at dairy plant?