

TECHNOLOGICAL AND ENGINEERING ASPECTS OF MILK CONDENSING AND DRYING PLANT

Background

Among different methods of preservation of milk, the concentration and drying occupies a prominent place as the end products mostly do not need refrigerated storage. While the basic principles involved in making these products have remained more or less the same, lot of technological developments have taken place. In order to reap benefit from these developments, dairy industry needs to come forward and keep its manpower appraised as it is the man who monitors the machines and in turn the quality of the finished products.

Objectives

To provide indepth knowledge about manufacturing aspects of milk condensing and drying plants.

To understand the automation controls and instrumentation for milk condensing and drying plants.

Advances in milk condensing and drying plants.

Contents

The various topics that are covered in the programme include both technological as well as engineering aspects of concentrated and dried milks. The details are presented in the schedule on the opposite page.

Participants

This programme is designed for dairy technologists and dairy engineers who are working in milk/whey condensing and drying plants. The participants are awarded with a certificate on successful completion of the training programme.

Programme Schedule for Technological and Engineering Aspects of Milk Condensing and Drying Plant

Day	Topics
1	Registration and Inauguration
	Overview on dry milk products
	Lunch Break
	Quality of milk in relation to concentrated and dried milks
	Basic steps in manufacture of condensed and dry milk and their significance
2	Specifications for condensed and dried milk
	Properties of milk powder
	Lunch Break
	Packaging and storage of condensed and dried milks
	Defects in Condensed and Dried Milk – their Causes & Remedies
3	Designing of milk condensing and drying equipment, Energy efficiency in condensing and drying of milk
	Condensing and drying of whey based products

Day	Topics
	Lunch Break
	Visit of Satellite Dairy, Khatraj - Whey Drying Plant
4	Operation of milk condensing and drying plant
	CIP of milk condensing and drying plant
	Lunch Break
	Fundamentals of automatic controls /Mechanical measures of instrumentation for condensing and drying of milk
	New developments in condensing and drying technology
5	Visit to Mother Dairy, Gandhinagar – 60 TPD Powder Plant
	Preventive maintenance and safety aspects of milk condensing and drying plant
	Lunch Break
	Visit of Mother Dairy, Gandhinagar - New 100 TPD Powder Plant
6	Formulation of Infant / Baby foods
	Visit to Drying Plant of Amul Dairy, Anand
	Lunch Break
	Problem encountered during manufacturing concentrated and dried milks and their remedies
	Feed back and Valediction

Languages Supported: English

Due to unforeseen circumstances, course dates may change/ get cancelled in some cases. Prior confirmation is therefore, a must before participating in any program.

CONTACT: Training Coordinator, 09377211866, or
write to: trainings@vidyadairy.in; paoffice@vidyadairy.in
For details please visit: www.vidyadairy.in