

PRACTICAL SEMINAR

Chewing Gum & Bubble Gum



Including complete lab line for liquid filled pillows

29.06. - 01.07.2010

Start:

Tuesday, June 29, 2010, 10:00

End:

Thursday, July 01, 2010, 14:00

Seminar Description

ZDS offers a theoretical and practical course in its facilities on chewing gum and bubble gum technology. During the course the participants will be given theoretical information about ingredients and processes and they will run trials on pilot plant equipment during the practical part.

One of the highlights of the course will be the demonstration of the production of filled pillows at company Bosch in Viersen.

Participants

This course is intended for:

Food technologists from the sugar confectionery industry, who are at the beginning of their career in the industry, or who need further training in the field of chewing gum.

Technical service and support staff from the raw material industries.

Members of the product development department from the confectionery industry who require a technical introduction to this part of their industry.

Co-ordinator

Andréa Pernot-Barry, Technical Director ZDS

Josef Merl, GlaxoSmithKline Consumer Healthcare GmbH & Co KG, Neuss, Germany

Further lecturers

Antoine Barre, Roquette Frères, Lestrem, France

Javier Belmar, Cafosa Gum S.A., Barcelona, Spain

Uwe Brennecke, Firmenich, Cologne, Germany

Henrik Aabye Jensen, Danisco A/S, Brabrand, Denmark

Marc Riedinger, Robert Bosch GmbH, Viersen, Germany

Alexander Schneider, Hermann Linden GmbH & Co KG, Marienheide, Germany

This course will be run as a workshop. We will study the influence of ingredients such as different gum bases, acid, polyols and flavour and of production parameters on chewing gum masses. We will produce mainly stripes and pillows. Participants will have the possibilities to pan centres during the course.

☺ **Please remember to bring a white coat for the practical part of the course**

Programme

Tuesday, June 29, 2010

- 10.00 **Welcome**
- 10.10 **Introduction to chewing gum trends and market**
- 10.40 **Gum base: different types and utilisation in the production of chewing gum & bubble gum masses**
Javier Belmar
- 11.10 Coffee break
- 12.00 **Overview on chewing gum processing**
Marc Riedinger
- 12.30 **Mixing-extrusion of chewing gum**
Marc Riedinger
- 13.00 Lunch
- 14.00 **Presentation of the practical work**
- 14.20 **Practical work**
- Kneading trials showing the influence of
 - particle size of sugar
 - order of addition
 - kneading time
 - Production of pillows and stripes
- In between coffee break
- 17.00 **Lab equipment for chewing gum manufacturing**
Alexander Schneider
- 17.30 End of the first day
- 18.00 Light dinner

Wednesday, June 30, 2010

- 09.00 **Sensory evaluation of chewing gums and bubbles gums**
Javier Belmar
- Physical parameters
 - Long lasting
- 09.30 **Practical work**
- Kneading trials showing the influence of
 - gum base types
 - presence of acid
 - Production of pillows and stripes

In between coffee break

- 11.45 **Polyols in the manufacture of chewing gum**
Antoine Barre
- 12.30 **New technologies in the manufacture of chewing gum**
Javier Belmar
- 13.00 Lunch
- 14.00 **Practical work**
- Kneading trials showing the influence of:
 - type of polyols
 - Production of pillows and stripes
- 15.40 Coffee break
- 16.00 **Flavouring of chewing gum and bubble gum masses**
Uwe Brennecke
- 16.30 **Practical work**
- Kneading trials showing the influence of flavour types
 - Production of pillows and stripes
 - Demonstration of lab line for liquid filled chewing gum pellets
- 18:00 Dinner

Thursday, July 01, 2010

- 9.00 **Emulsifiers for chewing gum and gum base**
Henrik Aabye Jensen
- 9.30 **Soft and hard panning of chewing gum and bubble gum**
Andréa Pernot-Barry
- 9.45 **Practical work**
- Production of cut and wrapped bubble gums
 - Panning of chewing gum centres
- 11.45 **Departure to company Bosch, Viersen**
- 12.30 **Liquid filled Chewing Gum with Uniplast Technology**
- 13.00 Snack
- 13.30 **Demonstration of the production of liquid filled pillows on an industrial line**
- 14.00 Return to ZDS / End of the course

- subject to change -

Date / Venue	Tuesday, June 29, 2010, 10:00 until Thursday, July 01, 2010, 14:00	
	Zentralfachschule der Deutschen Süßwarenwirtschaft De-Leuw-Str. 3 - 9 D - 42653 Solingen-Gräfrath - Germany	
Registration & Hotel Reservation	ZDS - Seminar-Service Phone: +49 / 212 / 59 61-35 Fax: +49 / 212 / 59 61-33 http://www.zds-solingen.de s.steinmetz@zds-solingen.de	
Fee	Members of the ZDS Association	€ 1.250,-
	Non-members	€ 1.540,-
Seminar-Number	PEO-40	

Terms of Participation

Registration –

The number of participants in our seminars is sometimes limited. We therefore kindly request that you register as soon as possible in writing with the ZDS. Registration is binding as soon as it is confirmed by ZDS in writing.

Fees for participation –

Fees in full are due upon receipt of invoice. Money transfers to the ZDS are to be made free of charge for ZDS. Please send money only after having been invoiced. Participation is only possible after receipt of payment. Credit-cards (VISA/Euro-/MasterCard/Diners Club) are accepted. If two or more participants are registered by the same company a deduction of 5% on the fee is given from the second participant.

Travel / Accommodation –

Travel information and directions will be sent out with the registration confirmation. Costs incurred for possible overnight accommodations are not included in the seminar fee. If requested we will be glad to help with hotel reservations.

Organisation –

ZDS reserves the right to change speakers and/or shift or change the programme schedule. The number of participants is limited, and in case of overbooking ZDS will give information on a repeat seminar as soon as possible. If there is insufficient participation, ZDS reserves the right to cancel or postpone a seminar. ZDS can not guarantee for the attendance of competitors at demonstration events held outside its premises. If conference proceedings are distributed, they will be written in the language in which they were presented.

Cancellation –

Please understand that we have to charge 10% of the seminar fee for cancellations up to two weeks and 50% for cancellations up to one week prior to the seminar for administrative expenses. Later cancellations will be invoiced with 100% of the seminar fee. We will certainly accept a substitute participant without additional costs.

If the event is cancelled by the organiser, the fee will be reimbursed totally.

Liability –

In the event that seminars are cancelled for reasons for which ZDS is responsible, reimbursement is limited to refunding already paid seminar fees. Any further claims are excluded.

Protection of Personal Data –

In compliance with the stipulations of the German Federal Law on Protection of Personal Data we hereby inform you that addresses of interested persons and seminar participants will be electronically stored with the intention to forward programmes and seminar information of ZDS.

REGISTRATION / PEO-40

Practical Seminar in Chewing & Bubble Gum Technology
(June 29 – July 01, 2010)

FAX: +49 - 212 - 59 61 33

Mr Ms

Surname _____

First Name _____

Company _____

Address of the company _____

Country _____

Phone no. (with country code) _____

Fax no. _____

E-mail address _____

Hotel reservation: yes no from to

If you prefer to pay the seminar fees with credit-card please fill in:

VISA Euro-/MasterCard Diners Club

No. of credit-card: Valid dates:

Signature incl. company stamp

Date