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Laboratory for wheat milling



What you will learn

You will learn how to analyze the finished products from your mill and to interpret your results, so that you can advise your head miller and production manager how to improve production consistency and reliability.

But this isn't just theoretical training. You will also spend three days at our fully equipped laboratory learning about all the key methods of analysis for flour milling. You will use some of the latest in laboratory equipment and see how it works in practice.

Required skill level

Limited to moderate laboratory skills. This course is well suited to laboratory personnel

Price

CHF 2'450.00 per person / 1 week

What is included

- Invitation letter for visa application
- Hands-on access to some of the latest laboratory equipment
- Three days of practical experience at our fully equipped laboratory
- Printed training documents
- One social event with dinner
- Unlimited access to Wi-Fi and Internet

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Detailed program

Monday

Welcome at the Milling Academy

- Formalities and administrative matters
- Bühler factory visit, including research centers

Basics about milling

Theory about the flour milling process

- Information about the procedure of an ash-curve
- Transfer to the Swiss School of Milling

Laboratory equipment

- Introduction to the laboratory and its equipment

Theory

- Lab-tests in the milling industry
- Overview of the applied methods

Tuesday

Practical: Lab tests

- Moisture content (various methods)
- Gluten
- Gluten-Index
- Falling number

Customer service

- Possibilities and solutions

Theoretical

- Introduction to flour and its component substances

Social event in the evening

Wednesday

Practical: Lab tests

- Ash
- Protein
- Farinograph
- Extensograph

Thursday

Practical: Lab tests

- Baking test
- Alveograph

Friday

Theoretical

- Discussion of the results and their influence on the quality of end products

Visit to Swissmill in Zurich

Working hours

08.00 – 09.30 / 10.00 – 12.00
13.15 – 15.00 / 15.15 – 17.00

We reserve the right to adjust the schedule for organizational reasons.

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