

Process Calculations Committee

Process Calculations Committee Report

- Chair: Hanie Ahmadi, Maple Leaf Foods (hanie.ahmadi@mapleleaf.com)
- Vice Chair: Mollye MacNaughton, Bush Brothers & Co. (mmacnaughton@bushbros.com)
- Past Chair : Jacques Bichier, JBT FoodTech
- Past Vice Chair: Chris Balestrini, CGB Consulting Services, LLC

1. DATE: March 5th, 2020

PRESENT: 15 members attended the meeting

2. CALL TO ORDER/AGENDA

- Meeting was called to order and by Karen Brown at 7:45 am.
- New Chair (Hanie Ahmadi, Maple Leaf Foods) and Vice chair (Mollye MacNaughton, Bush Brothers & Co) were assigned.

Topic of interest for next years meeting was discussed as below:

- Review when to choose a point lethality method vs an integrated lethality method in establishing thermal process
- Compare extrapolated thermal process calculation results with actual empirical data for normal process and also for process deviation.
- Product with various rates of hydration such as Quinoa, rice, dry pasta
- Monitor pre-process lag time and make it a CCP
- Warning on transferring heating factors from one software to the next for process calculations

- What if the temperature is not constant. How lethality is being calculated in this case.
- Hold tubes and resistance of hold tube calculations for Aseptic system and correction factors.
- Calculation consideration for test retort and refer it to production scale.
- Limitation for process calculation- Is there any other tools to help process calculation. How to expand our knowledge e.g cold spot
- Finding common ground to bring finding of different committee together from working separately
- Case studies to consider limitation and possible solutions
- Do we still need to use correction factors?

3. REQUEST TO INSTITUTE

- Publishing the notes
- Including any invitation to conference call in info letter

4. ADDITIONS TO THE AGENDA

- Further discussion will be made on next meetings for topic of presentations for next year

5. ADJOURNMENT

- Meeting was adjourned at 8:45 am.

6. NEXT MEETING

- Name and email of all attendees were collected. The next conference call meeting date will be announced.