



2022
HAPPY
NEW YEAR

Did You Know?

The Renewed Interesting Sourdough Bread



To make dough, bakers have put selective pressure on the species, *Saccharomyces cerevisiae*, causing it to diverge into two distinct groups: one used in large-scale, industrial bread-making and the other used in artisanal sourdough bread. *S. cerevisiae* is an important part of the microbial consortia of sourdough steamed bread and plays a key role as a leavening agent by producing carbon dioxide through the alcoholic fermentation of sugars and thus the volume of loaf is increased. It is important to mention that as a leavening agent, baker's yeast is still better than traditional starter cultures.

The researchers found that sourdough strains typically contained a higher copy number of genes encoding proteins that transport and regulate maltase and isomaltase as well as the enzyme themselves which break down the sugars, maltose and isomaltose. They found that in a synthetic sourdough environment with only maltose as a carbon source, yeasts that had more copies of these genes were more abundant by the end of fermentation than were yeasts that had fewer copies. The end result is that sourdough yeast is well-suited for making specifically sourdough bread.

In conclusion, with this renewed interesting sourdough bread, we may be able to conserve more microbial diversity in the future, at least in this food chain.

References:

1. <https://www.the-scientist.com/news-opinion/humans-domesticated-yeast-through-bread-making-study-68256>
2. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5976591/>
3. <https://evergreenparklibrary.librarymarket.com/events/sourdough-starter-starts>



Event

Date

Event/Website

12 Jan	Lubrizol Webinar: Scalp Care Trend, Chemico Myanmar Co., Ltd., Myanmar
20 Jan	MPM Webinar: Sun Care, Chemico Asia Pacific (M)Sdn. Bhd., Malaysia (Tentative)
7-8 Feb	Beautyworld Japan Fukuoka, Fukuoka, Japan https://beautyworld-japan-fukuoka.jp.messefrankfurt.com/fukuoka/en.html
8-10 Feb	Gourmet& Dining Style Show Spring 2022, Tokyo, Japan https://www.gourmetdiningstyleshow.com/english/
9-12 Feb	Food Pack Asia, Bangkok, Thailand https://www.foodpackthailand.com/en/homepage/
13-17 Feb	Gulfood 2022, Dubai, UAE http://www.gulfood.com/
15-18 Feb	BioFach 2022, Nuremberg, Germany https://www.biofach.de/en
20 Feb	Global Beauty & Wellness Exchange, Bluffton, USA https://globalbeautyexchange2022.converve.io/
20-23 Feb	Saudi Food Expo 2022, Riyadh, Saudi Arabia https://www.saudifoodexpo.com/
21-23 Feb	Personal Care Expo, Guangzhou, China http://www.spexpo.com/eng/news.asp?id=271
23-24 Feb	Food For Future Summit & Expo, Dubai, UAE https://www.foodforfuturesummit.com/
26-27 Feb	Women's Lifestyle Expo, Christchurch, New Zealand https://www.womenslifestyleexpo.co.nz/christchurch

Regulations

Criteria and Requirements for Hemp Notification in Cosmetic Products (part 4)

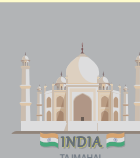
In this part, it will be the additional requirement of documents to those mentioned in part 3 of Newsletters in November 2021 for FDA submission.

- A document indicates sources of raw materials such as a copy of a production license for (growing) Narcotics category 5 with the purpose for commercial industry
- A document indicates buying/selling hemp parts issued by Food and Drug Administration
- A document indicates calculation of THC contamination contents or the results of THC content analysis in the ready-to-use product
- All labels for sales should be submitted for consideration
- A written approval from the company committee should be submitted to approve that the company will not exaggerate the benefits of the cosmetic products.

Note: No permit for using imported raw materials of “hemp seed oil” or “hemp seed extract”

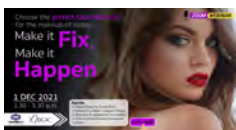
Reference: www.fda.moph.go.th

To be continued next month.



News

DCAC Webinar, Thailand



DCAC center, a member of Chemico group organized a makeup webinar for Thai customers entitled "Make it Fix, Make it Happen" on December 1, 2021. The seminar covered the topics as follows: Global makeup trend 2022, Make it Fix, Make it Happen theory, Welcome to application formulations and Chemico raw material inspiration. There were 78 customers from 59 companies who attended this webinar.

Hair Care Solutions (MOMENTIVE), Malaysia



Momentive Performance Materials Inc. together with Chemico Asia Pacific (M) Sdn. Bhd., Malaysia held a webinar entitled "Hair Care Solutions" on December 14, 2021. The first part of webinar talked about the latest hair care trends followed by presenting Momentive SMART silicone products which can delight your hair. A series of innovative silicone emulsions with unique benefits were introduced as well. Hair care prototype kit was prepared and given to customer upon request.

1st Chemico Academy, Thailand



Chemico Asia Health and Beauty (CAHB) Center, a member of Chemico group held a webinar for Academy entitled "Emulsion Technology & Formula" on December 16, 2021. Attendants were lecturers, professors and students. Ingredients and formulas related to the topic were introduced during the webinar.

Chemico Vietnam x The Mighty Webinar 2021, Vietnam



The Covid-19 pandemic has changed our lifestyle to adapt with the New Normal. Many people prefer healthy foods and drinks, especially snacks. Understanding that, The Mighty Co., Ltd. in collaboration with Chemico Vietnam Co., Ltd. held a webinar on December 21, 2021 with the topic "Indulgent Butter Bakery Products". Throughout the webinar time, the updated interesting bakery information, the most popular flavors in the market and the importance of butter in bakery that can help lead the trends were introduced to our customers. The Mighty also shared their solution for specific product that hopefully can help upgrade the product quality.

1st Chemico Academy, Thailand



Chemico Asia Health and Beauty (CAHB) Center, a member of Chemico group held a webinar for Academy entitled "Bath & Shower Technology & Formula" on December 21, 2021. Attendants were lecturers, professors and students. Ingredients and formulas related to the topic were introduced during the webinar.

1st Chemico Academy, Thailand



Chemico Inter Corporation Co., Ltd. held a webinar for Academy entitled "in vivo Cosmetic efficacy testing concept" on December 23, 2021. Attendants were lecturers, professors and students. in vivo Cosmetic efficacy testing concept, regulations and information related to the topic were introduced during the webinar.

