



## News

1. Chemico Philippines Inc. held a seminar, entitled "We Care, Haircare" on October 11, 2018 to provide customers knowledge on the basics of hair science, as well as technical know-how on formulating hair care products. The customers were invited to make Keratin Shampoo, UV Shield Conditioner, and Two-Phase Hair Coat during the laboratory workshop.

2. Chemico Health and Beauty India Pvt. Ltd. in collaboration with AGC S-Tech. Co., Ltd. organized a Skin Care and Make Up Seminar on October 17, 2018 at Chemico India Application Center. India. Sunsphere product range as well as Asian market trends were presented. Customers also took part in a laboratory workshop where they developed and evaluated the performance of sunscreen, lipstick and liquid foundation.

3. Jean Niel SAS, France organized a regional flavor training on October 30-31, 2018 at Chemico Asia Health and Beauty (CAHB) center, Thailand. The training was focused on basic knowledge for flavoring substances, flavor creation, sensory using the descriptor of flavor with the updated market trend 2019 and lab trials for flavor creation. On November 1, 2018, Jean Niel Asia Ltd. held a grand opening ceremony of its new factory for liquid flavor production in Pathumthani, Thailand.

4. Momentive Performance Materials Inc., USA in collaboration with PT. Kemiko Indonesia held a seminar entitled "Multifunctional Silicone Microgel – Accentuating our Unique Core Beauty" on November 5, 2018 at Holiday Inn Hotel, Jakarta Indonesia. The seminar introduced a new ingredient: Silsoft EAU microgel. Customers were invited to try several formulations using Silsoft EAU microgel such as sun gels, serums, foundations or creams.

5. Chemico Inter Corporation Co., Ltd. held a makeup seminar for Thai customers entitled "Makeup Inspiration & Upcoming Trend 2019" on November 8, 2018 at CAHB II center. Market trend 2018/2019 and DCAC in-cosmetics 2018 products, Surface treatments, Microspheres, Film formers and Preservatives were presented to the customers.

## Did you know?

### Epigenetics and Cosmetics

Epigenetics is the study of the epigenome. Epigenetics is a structure above the genome (epigenetics means 'on top of genetics'). The epigenome consists of chemical compounds that mark the genome in a way that tells the cells what to do, where to do it and when to do it. The epigenome influences which genes are active and which proteins are produced in a cell, a skin cell for example without changing the DNA sequence.

We know that environmental factors such as diet, stress and sun exposure can affect our genome. Can an epigenetic modification help the genome to adjust to external factors? For the cosmetic industry, the big interest is the connection between epigenetics and skin ageing. The hope in the ongoing studies is to understand how to make old genes act younger and how to keep young genes from getting old. The 2 major reactions in the epigenome are acetylation and methylation. With the expression or suppression of these reactions we could influence the inflammation or oxidative stress in our cells and hence improve signs of aging.

#### References:

<https://www.whatisepigenetics.com/maybe-shes-born-maybe-epigenetics-5-tips-beauty-anti-aging/>  
<http://www.stephen-herman.com/114.pdf>  
<https://www.vogue.com/article/epigenetics-research-dna-gene-expression-smart-skin-care>  
<https://cosmetics.specialchem.com/tech-library/article/epigenetics-in-cosmetics>

## Events

December 2018

Date	Event/Website
28 Nov-01 Dec	Food Week Korea (Food Industry Trade Show), Seoul, Korea (South) <a href="http://www.koreafoodweek.com/">http://www.koreafoodweek.com/</a>
29 Nov-01 Dec	World Tea & Coffee Expo (Int'l Trade Fair Dedicated to Tea and Coffee Sectors), Mumbai, India <a href="http://www.worldteacoffeeexpo.com/">http://www.worldteacoffeeexpo.com/</a>
06-08 Dec	CBH Expo (Int'l Cosmetic, Beauty, Hair, Home Care and Hygiene Exhibition), Casablanca, Morocco <a href="http://www.cbhexpo.com/">http://www.cbhexpo.com/</a>
07-09 Dec	UpperCrust Food & Wine Show (Food and Wine Exhibition), Mumbai, India <a href="http://www.theuppercrustshow.com/">http://www.theuppercrustshow.com/</a>
09-11 Dec	CHOCEX (Chocolate Expo Shanghai), Shanghai, China <a href="http://chocex.com.cn/">http://chocex.com.cn/</a>
10-12 Dec	SIAL Middle East (Food Exhibition), Abu Dhabi, United Arab Emirates <a href="https://www.sialme.com/">https://www.sialme.com/</a>
13-16 Dec	Adana Cosmetics and Personal Care Fair, Trabzon, Turkey <a href="https://10times.com/adana-cosmetics-and-personal-care-fair">https://10times.com/adana-cosmetics-and-personal-care-fair</a>
14-17 Dec	India Food Show (Food and Beverage Exhibition), Ludhiana, India <a href="http://www.indiafoodshow.com/">http://www.indiafoodshow.com/</a>

## Regulations

Thai Regulation for Use of Vitamins and Minerals as Active Ingredients for Food Supplement (part 2)

Continuous part of annex table for vitamins and minerals as active ingredients for food supplement. This regulation came into force on June 23, 2006.

No.	Name of vitamins and minerals and their other forms	Thai RDI
4	Vitamin K or phyloquinone	80 µg calculated as vitamin K
5	Vitamin B1 or thiamin hydrochloride or thiamin mononitrate	1.5 mg calculated as vitamin B1
6	Vitamin B2 or riboflavin or riboflavin 5'-phosphate, sodium	1.7 mg calculated as vitamin B2
7	Niacin or nicotinic acid or nicotinamide or niacinamide	20 mg NE (niacin equivalents) calculated as niacin
8	Pantothenic acid or D-pantothenate, calcium or D-pantothenate, sodium or dextranthenol or calcium pantothenate	6 mg calculated as pantothenic acid
9	Vitamin B6 or pyridoxine hydrochloride or pyridoxine 5'-phosphate	2 mg calculated as vitamin B6
10	Folate or pteroylmonoglutamic acid or folic acid	200 µg calculated as vitamin B12
11	Vitamin B12 or cyanocobalamin or hydroxocobalamin	2 µg calculated as vitamin B12

To be continued next month.

Reference: [www.fda.moph.go.th](http://www.fda.moph.go.th)

