

Introduction of Food Composition Database: Background, Mode of Operation and Scope of Services

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Creating Nutrition Labels

1. Nutrition information obtained from laboratories' analytical results
2. Indirect calculation of products' nutrient contents based on food composition tables




Food Composition Database

- **Initiating Organization:**
 - The Chinese University of Hong Kong
- **Funding Organization:**
 - The Hong Kong Jockey Club Charities Trust
 - Chief Executive's Community Project List 2006
 - HK\$17.77 million
- **Supporting Government Department:**
 - Centre for Food Safety (CFS), Food & Environmental Hygiene Department (FEHD)



Food Composition Database

- Mission:

- Perform nutrition analysis on ~1000 commonly used food ingredients and products in Hong Kong
- Create the first ever Food Composition Database in Hong Kong:
 - ✓ Provide a substantial amount of reference nutrition information on local commonly used food ingredients
 - ✓ Can be used together with food composition tables of other countries
- Assist the food manufacturing industry (especially SMEs) to comply with the upcoming Amendment Regulation  reduce their cost for creating nutrition labels on a long term basis
- Assist the industry to develop and produce products that are beneficial to public health and meet nutrition rules

- Officially operated from July, 2007



Structure

- Project Director (1)
- Project Manager (1)
- Project Officer (3)
- Project Assistant (4)
- Consultants
 - CFS, FEHD
 - Local food industry
 - Academia: Food and Nutritional Sciences
 - Provide valuable suggestions on database's setup & food composition analysis



Laboratory(1)



Laboratory(2)



TGA: Ash & Moisture



ICP-OES: Sodium



Furnace: Ash



GC-FID: Saturated Fats
and Trans Fats

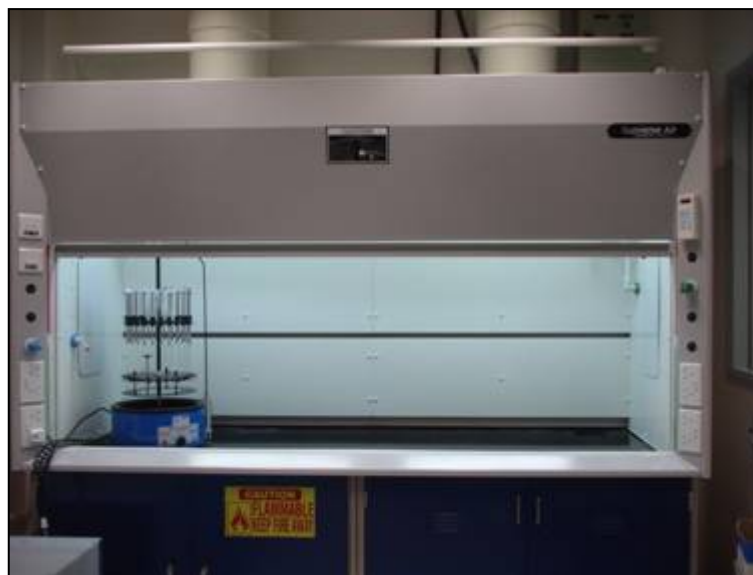


HPLC – Sugars

Laboratory(3)



Oven



Fume Hood



Wet Lab



Deep Freezer



Nitrogen Generator

General Office



Mode of Operation & Scope of Services- Industry & Public

Creating an official website:

- The latest news of our database
- Reviewing our past activities
- Reference nutrition information of some prepackaged food products
- Directory for Local Food Industry
- Disseminate the latest progress of the Amendment Regulation
- Website: <http://foodcompdb.fns.cuhk.edu.hk>



Mode of Operation & Scope of Services- Member



Company-based application
(online/ in writing)
[Membership fee: HK\$1,800]



Membership:
(1/11/2007-31/10/2010)

Member



Member's password



Internet



Food Composition Database



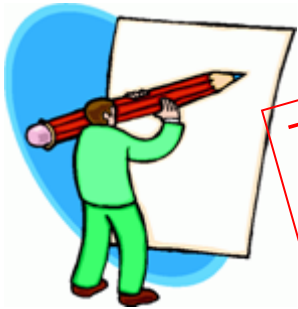
Reference nutrition data



- Create suitable nutrition labels for products
- Assist in developing & producing products that are beneficial to public health & meet nutrition rules

Mode of Operation & Scope of Services- Member

Food Composition Analysis:



The more information provided, the greater the chance to be selected.

Fill in sample submission form:

- Format: product-based (product + all related ingredients)
- Provide detailed information of sample: e.g. ingredient: name, brand, origin, grade & batch number
- Provide relevant proofs: e.g. Invoice or receipts



Select, contact & collect samples (according to sample collection principles)



Food composition analysis



Food Composition Database

Principles for Sample Collection

1. Food sectors with the highest number of manufacturing companies involved will have priority
 - Vermicelli, noodles and similar farinaceous products
 - Bakery products
 - Sauces and seasoning
 - Dim Sum
2. Samples from local SMEs will have priority
3. Seasonal foods/ foods indigenous to Hong Kong (e.g. mooncake)



Latest update of Food Composition Database

<u>Item</u>	<u>No.</u>
Members	31
Members that providing samples for analysis	10
Sample Collected	>389 [Ingredients + products]
Supporting Organizations	13



Ingredients and Classification

Vermicelli, noodles and similar farinaceous products

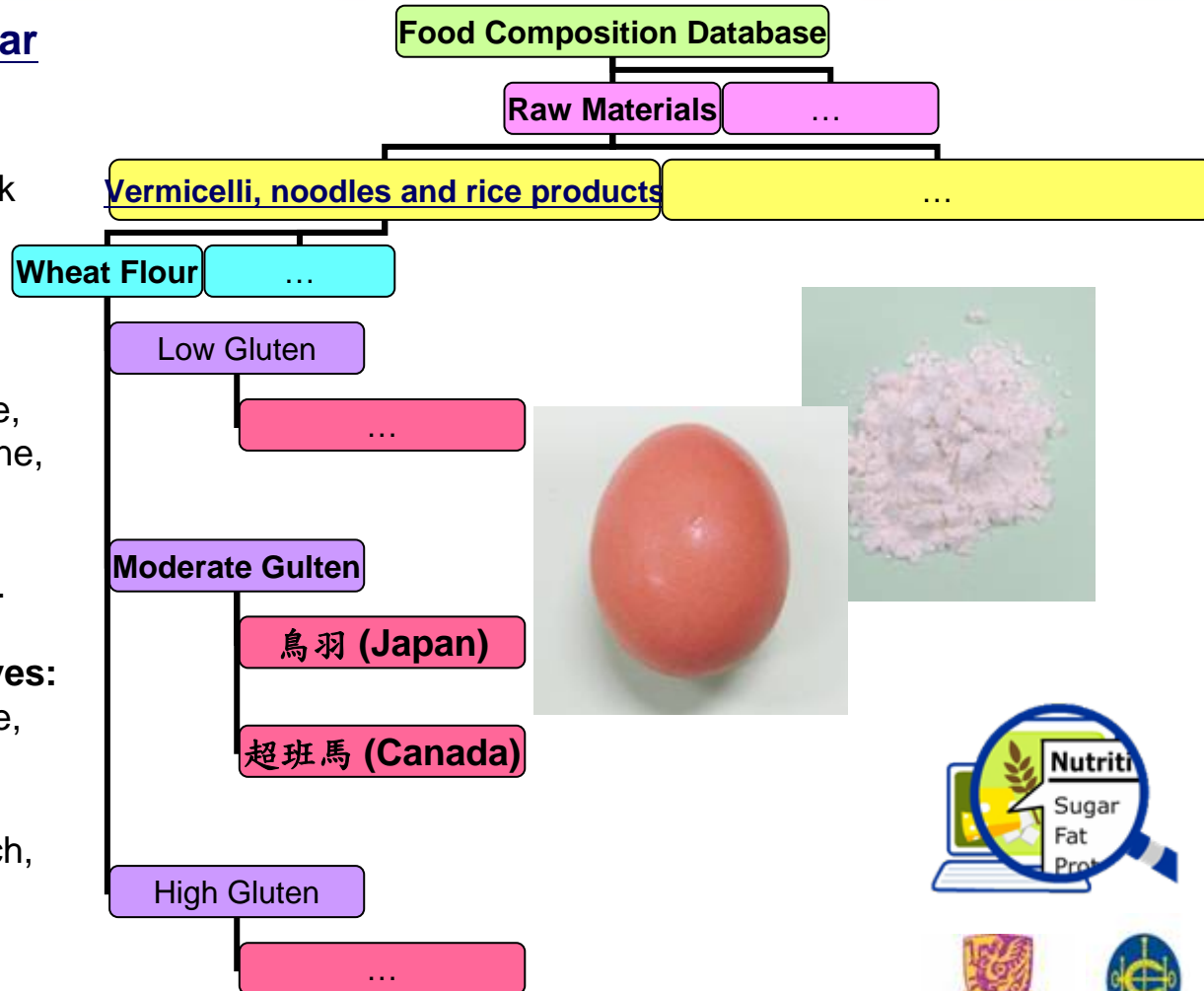
Crops & starchy ingredients: Buck wheat, wheat flour, rice, bread flour, tapioca flour, corn flour, potato starch, starchy flour...

Meat & seafood Ingredients: algae, shrimp roes, egg, salted egg, abalone, dried scallop...

Oil/Fat ingredients: vegetable oil...

Seasoning, sauces & food additives: chicken powder, MSG, tomato paste, salt, sugar, coloring, kansui ...

Plant & fungal ingredients: spinach, tomato, sesame, mushroom, rose powder, pumpkin, carrot...



Member list

No	Company Name	No	Company Name	No	Company Name
1	Heng Cheung Company 恒昌公司	11	Dai Kee Food Company Limited 大記食品有限公司	21	Hung Cheong Bakery 鴻昌餅家
2	Yu Kwen Yick Food Products Manufactory Ltd 余均益食品廠有限公司	12	Bright Mate Holdings Limited 美暉集團有限公司/至尊美點	22	Tai Tung Bakery 大同老餅家
3	Cross International Limited/First Edible Nest 君政國際有限公司/盞記燕窩	13	Vitasoy International Holdings Limited 維他奶國際集團公司	23	Amoy Food Limited 淘化大同食品有限公司
4	Lee Kum Kee (Hong Kong) Foods Limited 李錦記(香港)食品有限公司	14	The Kowloon Dairy Limited 九龍維記牛奶有限公司	24	Yummy Dim Sum Limited 一品點心有限公司
5	Hop Hing Oil Factory Limited 合興油廠有限公司	15	Asia Pacific Catering Corporation Limited Luncheon Star 泛亞飲食有限公司－活力午餐	25	Ito Ya Japanese Cakes & Bakery Group Ltd. 伊藤家餅業集團有限公司
6	Yau Kee Noodles Factory Limited 有記粉麵廠有限公司	16	Kimberli Limited 金柏莉有限公司	26	Evergreen Oils & Fats Limited 長春食油有限公司
7	The Dairy Farm Company Limited 牛奶有限公司	17	V-8 Food Development Limited 廣好食品發展有限公司	27	Wah Fung Sauce Company Limited 華豐醬園有限公司
8	Yeung's Company Limited 兩發麵廠有限公司	18	Chewy International Foods Limited 超力國際食品有限公司	28	有記粉麵廠有限公司 Yau Kee Noodles Factory Limited
9	The Hong Kong Jockey Club Catering Department 香港賽馬會馬場飲食部	19	Ho Ming Kee Food Manufactory Limited 何明記食品製造有限公司	29	兩發麵廠有限公司 Yeung's Company Limited
10	Hugo Trading (HK) Limited 匯高貿易(香港)有限公司	20	Luen Fung Flour Noodle Factory Limited 聯豐粉麵廠有限公司	30	余均益食品廠有限公司 Yu Kwen Yick Food Products Manufactory Ltd
				31	一品點心有限公司 Yummy Dim Sum Limited

Supporting Organizations



Food Composition Analysis

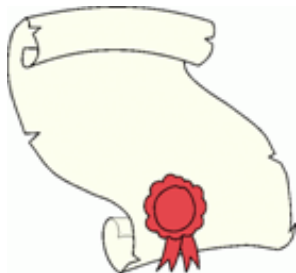
- Food composition analysis items :
 - Energy
 - Protein
 - Total Fat
 - Saturated fat
 - Trans fat
 - Available carbohydrate
(i.e. carbohydrate excluding dietary fiber)
 - Sugars
 - Sodium



Food Composition Analysis

Methods for food composition analysis:

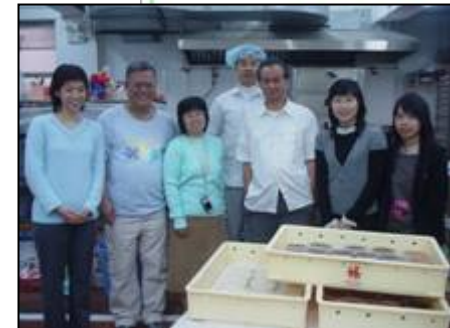
- FEHD-Food Research Laboratory
- HOKLAS



Other Services

Promotion and Publicity:

- Seminars and workshops
 - provide an effective platform for the trade to exchange ideas
 - collect the trade's valuable opinions on our database
 - allow the trade to share their own experience in creating nutrition labels by using our database
- On-site visit to local SMEs
 - recognize their production flow and mode of operation
 - find out their difficulties/problems in creating nutrition labels



To construct a Food Composition Database that is more suitable for the local food manufacturing industry (esp. SMEs)



Other Services

Promotion and Publicity:

- Food Composition Database Website
- Posters
- Newsletters
- Brochures
- School visits



- Disseminate the latest information of the Amendment Regulation to the industry & public
- Promote the concept of “balanced diet” & “nutrition label”
- Encourage public to choose healthy foods by using nutrition labels in order to improve their eating habits



Other Services

- Setting up a Directory for Local Food Industry

- update & construct a more representative Directory for local food industry
- promote the development of local food industry




Contact Us

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- Fax.: 2696 1146
- E-mail: foodcompdb@cuhk.edu.hk
- Website: <http://foodcompdb.fns.cuhk.edu.hk>



食品成分資料庫 Food Composition Database

主辦機構
Organized by:  香港中文大學
The Chinese University of Hong Kong

捐助機構
Funded by:  香港賽馬會慈善信託基金
The Hong Kong Jockey Club Charities Trust

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Latest News on Food Composition Database

Focus

Food and Drugs (Composition and Labelling) (Amendment: Requirements for Nutrition Labelling and Nutrition Claim) Regulation 2008 has been enacted by the Legislative Council

[Legislative Council Brief](#)



Food Composition Database Membership is ready for apply

[Details](#) [Application Form](#)

Event Highlights



We will support HKFSTA's activity "[Visiting Food Composition Database Laboratory, The Chinese University of Hong Kong, cum Dinner Gathering](#)" on 12 July, 2008. Please register with HKFSTA before 9 July.