

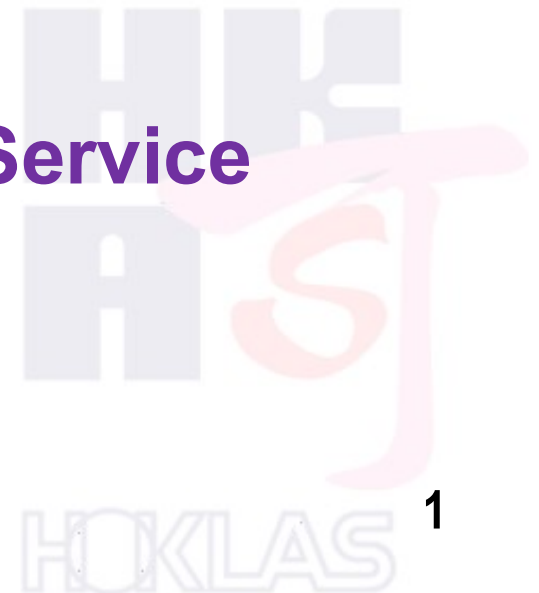


Accreditation Service for Food Testing

食品測試的認可服務

Dr. C. W. Ho

Hong Kong Accreditation Service





香港認可處 (HKAS)

HKAS is part of Innovation and Technology Commission of the Hong Kong Special Administration Region (HKSAR) Government.
香港認可處是香港特別行政區政府創新科技署屬下工作組別



It was set up in 1998 (previously known as HOKLAS since 1985)於1998年成立(前身是香港實驗所認可計劃HOKLAS執行機關，於1985年成立)

It is the official accreditation body in Hong Kong
是香港官方認可機構

It provides independent and impartial accreditation services
提供獨立和公正的認可服務





- ◆ HKAS provides accreditation services (認可服務) to testing laboratories, certification bodies and inspection bodies under 3 schemes:



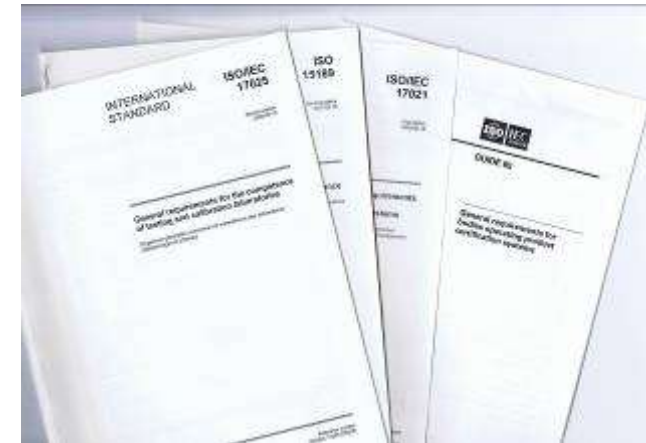
- HOKLAS (香港實驗所認可計劃)
- HKCAS (香港認證機構認可計劃)
- HKIAS (香港檢驗機構認可計劃)

- ◆ Participation in the 3 schemes is voluntary
- ◆ The schemes are operated in accordance with international standards



Features of HKAS Accreditation

- ◆ Voluntary
- ◆ Based on international standards
- ◆ Rigorous assessment and monitoring
- ◆ Independent and impartial
- ◆ International recognition

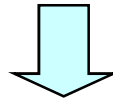




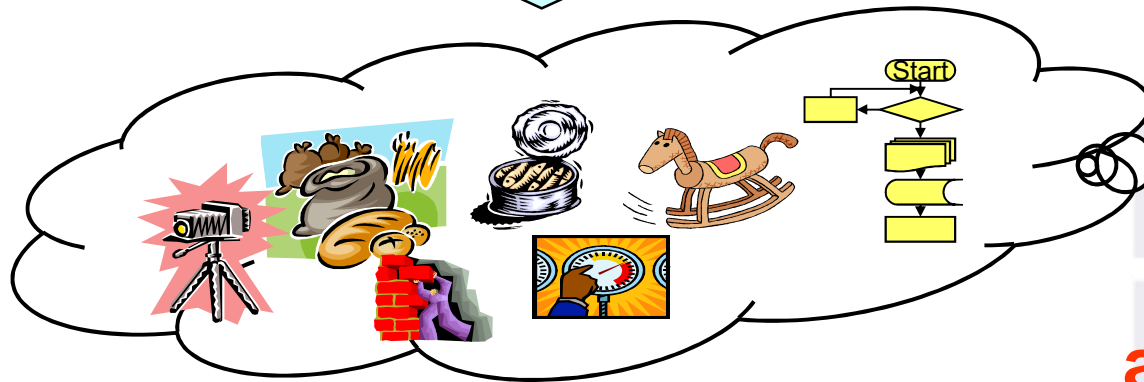
Accreditation Body
- provides the assurance



Are they
competent?

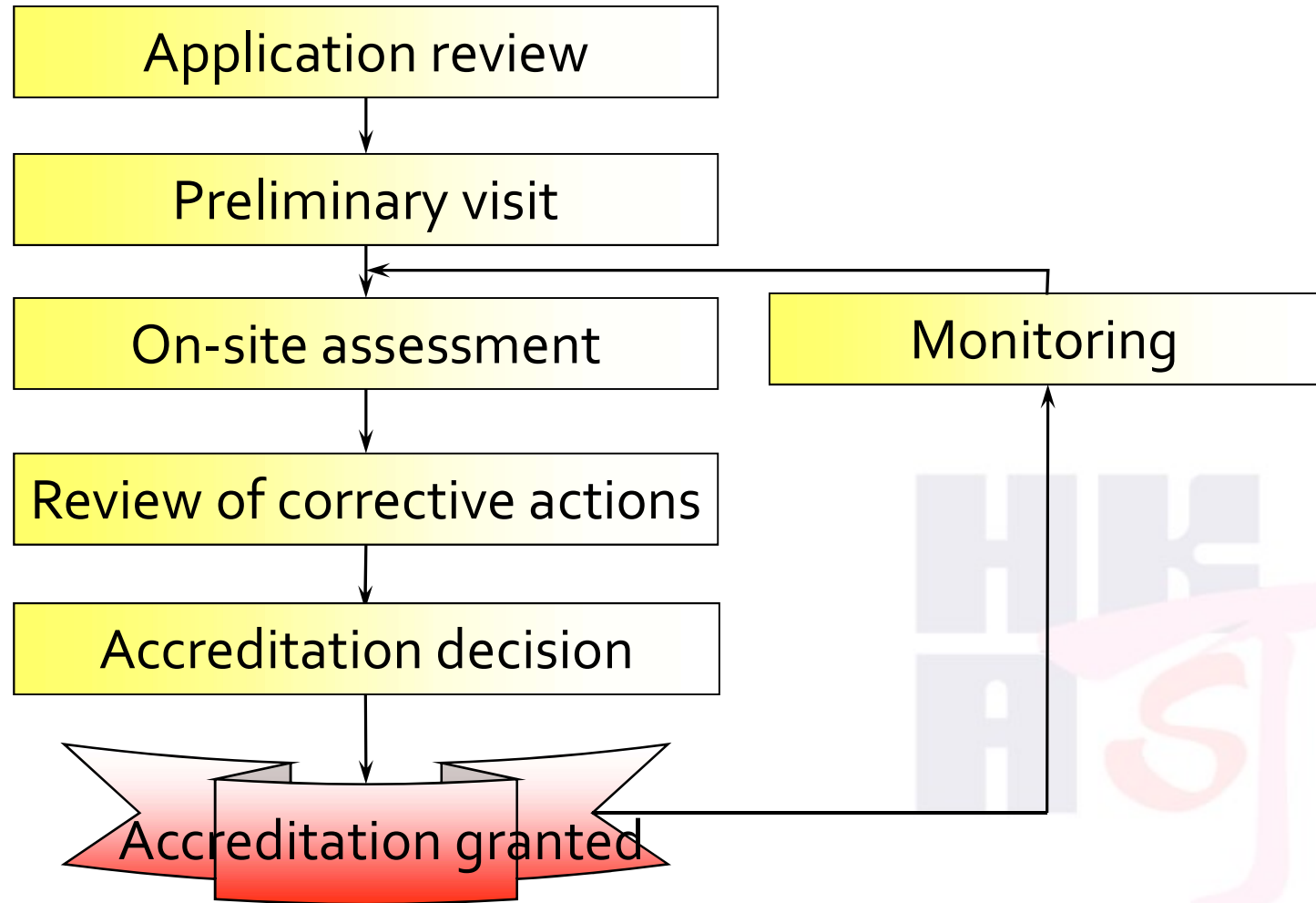


Test, Certification, Inspection



Are they
acceptable?

Accreditation Process 認可程序





Certificate of Accreditation 認可證書



Hong Kong Accreditation Service
香港認可處

Certificate of Accreditation 認可證書

This is to certify that
特此證明

PILOT TESTING LIMITED
領導檢測有限公司

Room 1503, 15/F, Wayson Commercial House, 68-70 Lockhart Road, Wanchai, Hong Kong

香港灣仔駱克道68-70號偉信商業大廈15樓1503室

has been accepted by the HKAS Executive, on the recommendation of the Accreditation Advisory Board, as a
為香港認可處執行機關根據認可諮詢委員會建議而接受的

HOKLAS Accredited Laboratory
「香港實驗所認可計劃」認可實驗所

This laboratory meets the requirements of ISO / IEC 17025 : 2005 - General requirements for the competence
此實驗所符合ISO / IEC 17025 : 2005 - 《測試及校正實驗所能力的通用規定》所訂的要求，
of testing and calibration laboratories and it has been accredited for performing specific tests or calibrations as
獲認可進行載於香港實驗所認可計劃《認可實驗所名冊》內下述測試類別中的指定
listed in the HOKLAS Directory of Accredited Laboratories within the test category of
測試或校正工作

Environmental Testing 環境測試

This laboratory is accredited in accordance with the recognised International Standard ISO / IEC 17025 : 2005.
本實驗所乃根據公認的國際標準 ISO / IEC 17025 : 2005 獲得認可。

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory
這項認可資格演示在指定範疇所需的技術能力及實驗所質量管理體系的運作
quality management system (see joint IAF-ILAC-ISO Communique).
(見國際認可論壇、國際實驗所認可合作組織及國際標準化組織的聯合公報)。

The common seal of the Hong Kong Accreditation Service is affixed hereto by the authority of the HKAS Executive
香港認可處根據認可處執行機關的權限在此書上通用印章

WONG Wang Wah, Executive Administrator

執行幹事 黃宏華

Issue Date : 10 July 2013

簽發日期：二零一三年七月十日

Registration Number : HOKLAS 230
註冊號碼：

Date of First Registration : 10 July 2013
首次註冊日期：二零一三年七月十日



This certificate is issued subject to the terms and conditions laid down by HKAS
本證書按照香港認可處訂立的條款及條件發出

L 001052



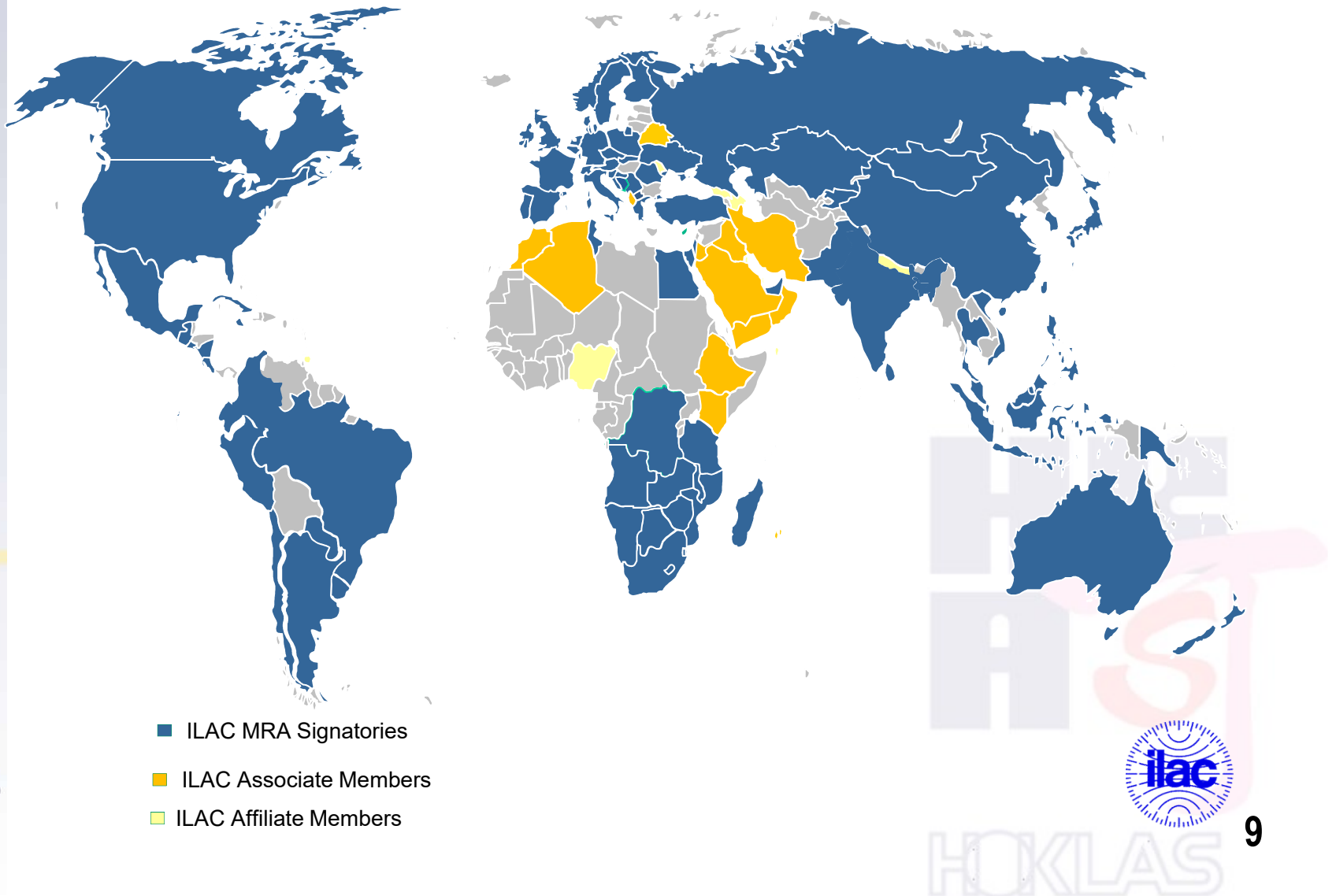
Test Reports & Certificates Recognised Internationally 測試報告及證書獲國際承認

- ✦ HKAS is signatory to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) and International Accreditation Forum (IAF) Multilateral Recognition Arrangement (MLA)
香港認可處 (HKAS) 是國際實驗所認可合作組織 (ILAC) 及國際認可論壇 (IAF) 的互認協議簽署成員
- ✦ Endorsed reports and accredited certificates issued by HKAS accredited organisations are recognised by its MRA / MLA partners (involving **105 accreditation bodies in 104 economies** in the world)
香港認可處的互認協議夥伴 (當中包括 **104個經濟體系共105個認可機構**) 均承認獲香港認可處認可機構所發出並印有香港認可處認可標誌的報告及證書)



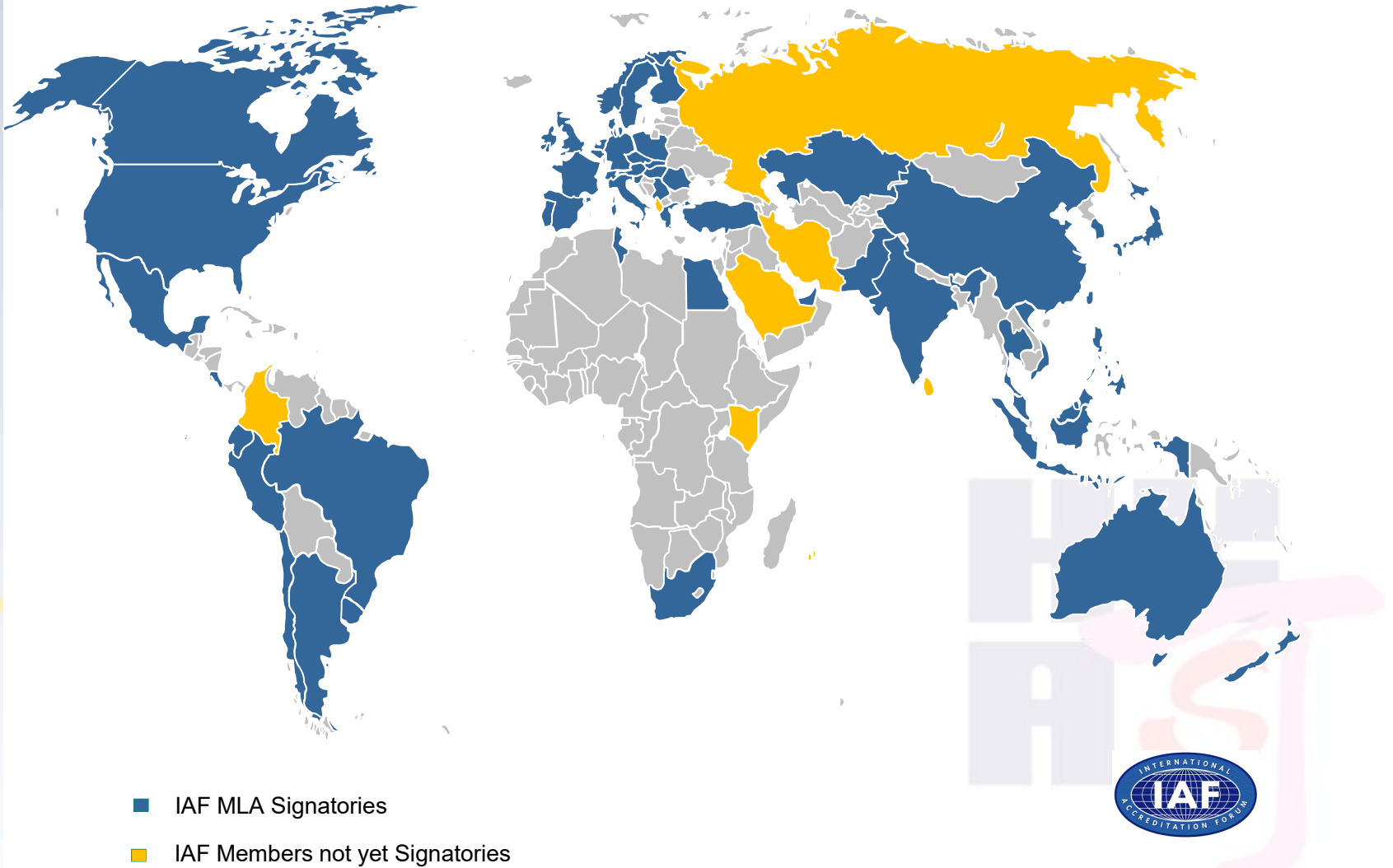
Coverage of the ILAC MRA

ILAC MRA 的覆蓋範圍



Coverage of the IAF MLA

IAF MLA 的覆蓋範圍





Endorsed Reports and Accredited Certificates under HKAS Accreditation Schemes 印有香港認可處認可標誌的報告及認證證書



- ✦ Unless otherwise approved and specified, only results of accredited activities can be shown in endorsed reports and accredited certificates

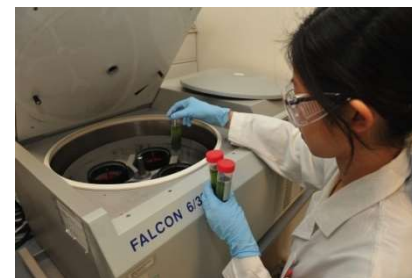
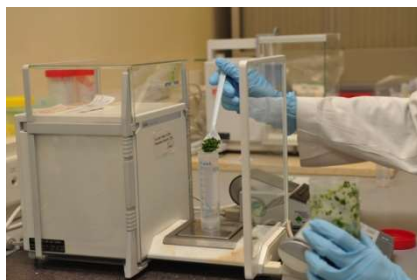
除非經批准及清楚註明，否則獲認可機構只可就獲得認可資格的活動所得結果發出印有香港認可處認可標誌的報告及證証證書。

- ✦ Since the competence of the accredited activities has been assessed, the reliability of results in endorsed reports and certificates can be assured

由於獲認可機構在獲得認可資格的活動上其能力曾經接受嚴謹的評審，印有香港認可處認可標誌的報告及證証證書上的結果會更可靠。

食品測試 Food Testing

Nutrition Information 營養資料	
	Per 100g or Per 100ml/ 每 100 克或每 100 毫升
Energy / 能量	kcal or kJ / 千卡或千焦
Protein / 蛋白質	g / 克
Total fat / 總脂肪	g / 克
- Saturated fat / 飽和脂肪	g / 克
- Trans fat / 反式脂肪	g / 克
Carbohydrates / 碳水化合物	g / 克
- Sugars / 糖	g / 克
Sodium / 鈉	mg / 毫克
Insert nutrient(s) involved in claim(s) / 填入涉及聲稱的營養素	g, mg or µg 克、毫克或微克
Insert other nutrient(s) to be declared / 填入其他標示的營養素	g, mg or µg 克、毫克或微克



Food Testing Services Provided by Hong Kong Laboratories

- Microbiological examination
- Chemical composition analysis (e.g. for use in nutrition labeling)
- Testing for food additives (e.g. anti-oxidants, preservatives, coloring matters and sweeteners, etc.)
- Testing for contaminants (e.g. trace elements, organic, pesticide and veterinary drug residues, radionuclides, etc.)
- Other food testing (e.g. GM food, food species identification by DNA sequencing)
- Testing of Food Contact Materials (e.g. testing of food containers)



Accredited Food Testing Laboratories 獲認可食品測試實驗室

- As of 1 June 2021, there are totally 29 laboratories accredited by HKAS to provide public service for testing of food (including micro-biological testing of food) and food contact materials
- For details, please visit https://www.itc.gov.hk/en/quality/hkas/conformity_assessment_bodies/hoklas.html#t_services



Accreditation of Food Testing Laboratories under HOKLAS

- ⊕ HOKLAS accreditation criteria for food testing laboratories are given in:
 - **HKAS 002 Regulations for HKAS Accreditation**
 - **ISO/IEC 17025:2017** – ‘General requirements for the competence of testing and calibration laboratories’
 - **HKAS PD001** ‘HKAS Policy for Accreditation of Laboratories according to ISO/IEC 17025:2017 under HOKLAS (ISO/IEC 17025:2017 HOKLAS Policy)’



Accreditation of Food Testing Laboratories under HOKLAS

- Relevant HKAS and HOKLAS Supplementary Criteria documents, including HOKLAS Supplementary Criteria No. 8 and 37



Selection of Methods

- Methods published in international, regional or national standards (e.g. ISO, EN, BS, etc.), or by reputable technical organisations (e.g. AOAC) shall preferably be used
- Methods (including their application scope and performance characteristics) shall be appropriate and adequate for their intended use, relevant to the customers' needs and consistent with specified or regulatory requirements

Validation of Methods

- Laboratories shall validate non-standard methods, laboratory-developed methods and standard methods used outside their intended scope
- The validation involves assessment of the method performance characteristics against the intended use
- Performance characteristics can include, but not limited to, measurement range, selectivity, repeatability or reproducibility, bias, cross-sensitivity against matrix interference, etc.

Examples of Method Validation Guidelines

- IUPAC Technical Report 'Harmonized Guidelines for Single-Laboratory Validation of Methods of Analysis'
- EURACHEM Guide 'The Fitness for Purpose of Analytical Methods: A Laboratory Guide to Method Validation and Related Topics'
- AOAC INTERNATIONAL 'AOAC Peer-verified Methods Program - Manual on Policies and Procedures'

Method Verification

- If methods published in international, regional or national standards are used, the laboratory shall still verify that it can properly perform the methods before introducing them by ensuring that it can achieve the required performance

Establishing metrological traceability of test results

- Proper calibration and maintenance of measuring equipment, e.g. calibration by accredited calibration laboratories, or by certified reference standards/materials, etc.
- Use of certified reference materials for method verification/validation, as far as practicable.

Ensuring validity of test results

- Participation in proficiency testing and interlaboratory comparisons
- Use of reference materials or quality control materials
- Calibration/functional check of measuring and testing equipment
- Blank, duplicate and spike study, etc.



聯絡我們 - 網址

Contact us - website

香港認可處

Hong Kong Accreditation Service

www.hkas.gov.hk





Thank you

