



Choosing Quality Testing and Certification Services

選擇優質檢測認證服務



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Hong Kong Accreditation Service
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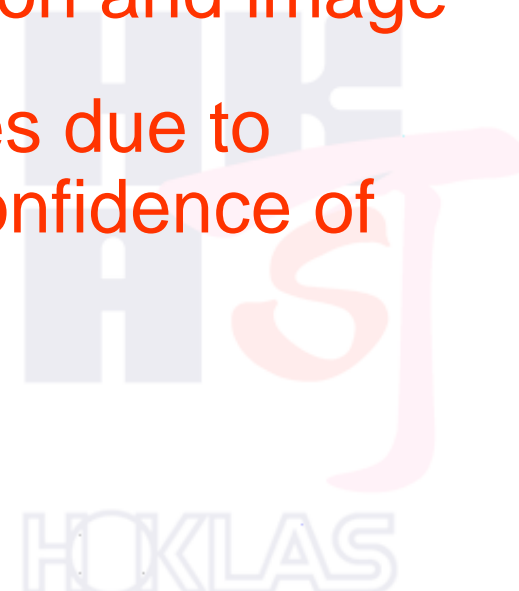
Topics

1. Benefits of Testing and Certification
 2. Value of Accreditation
 3. Hong Kong Accreditation Service
- 



Benefits of Third-Party Testing and Certification

- ❖ For Service Providers or Manufacturers
 - Reduce non-compliance, liability, rejection of service/products and resulting financial risks
 - Enhance company's reputation and image
 - Create business opportunities due to improved acceptance and confidence of customers





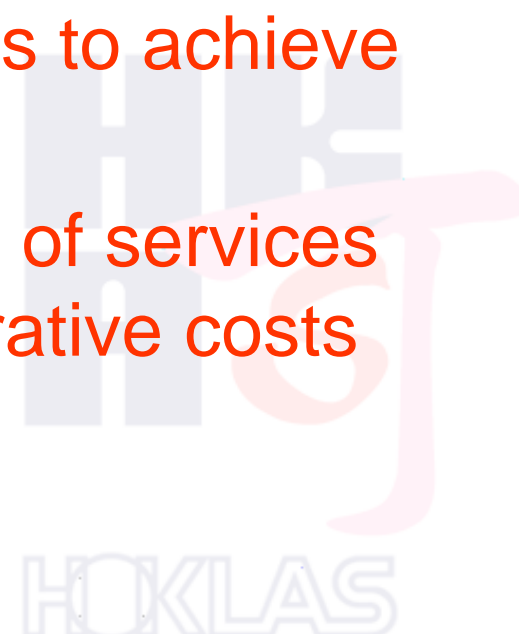
Benefits of Third-Party Testing and Certification

Customers/Public

- ◆ Identification of high quality services
- ◆ Reduce monitoring

Regulators

- ◆ Apply private sector resources to achieve regulatory objectives
- ◆ Uphold safety and conformity of services and products at low administrative costs



Impact of “Wrong Results”

- Incorrect test results
 - ➔ hazardous to service/product users
(public health/environmental issue)
e.g. water testing
- High cost of recall/replacement of non-compliance products/service (financial loss)
 - ➔ subsequent loss of customers
(loss of confidence/loyalty)
 - ➔ further financial loss



Accreditation
bodies

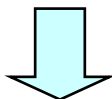


Accreditation
- provides 3rd party assurance

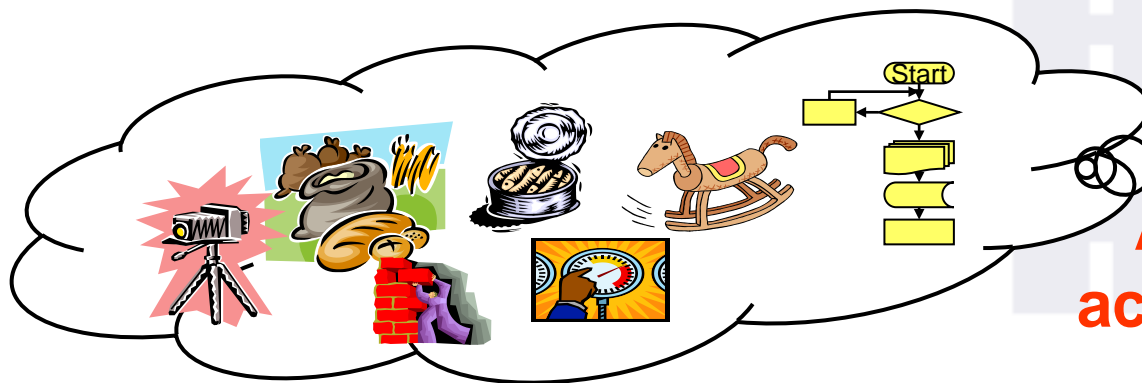


Laboratories

***Accreditation helps you find reliable
T&C service!***



Test, Certification, Inspection



**Are they
acceptable?**

Products,
Services ...



Hong Kong Accreditation Service (HKAS) 香港認可處


Hong Kong Accreditation Service (HKAS)

- ✦ Part of Innovation and Technology Commission of the Hong Kong Special Administration Region Government



香港特別行政區政府
創新科技署

- ✦ Set up in 1998 (previously known as HOKLAS since 1985)
- ✦ Provides independent and impartial accreditation services

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- ✦ HKAS provides accreditation services 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)

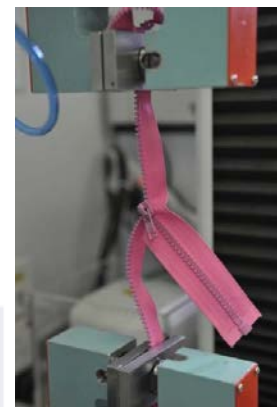
Features of HKAS Accreditation

- Open and Voluntary
- Based on international standards
- Rigorous assessment by independent experts
- Continuous monitoring
- Independent and impartial
- International recognition



HOKLAS – Scope of service

- ▶ Calibration Services
- ▶ Chemical Testing
- ▶ Chinese medicine
- ▶ Construction Materials
- ▶ Electrical and Electronic Products
- ▶ Environmental Testing
- ▶ Food
- ▶ Forensic Testing
- ▶ Medical Testing
- ▶ Miscellaneous
- ▶ Pharmaceutical Products
- ▶ Physical and Mechanical Testing
- ▶ Textiles and Garments
- ▶ Toys and Children's Products




HOKLAS – Environmental Testing

- Chemical tests
- Microbiological tests
- Biological toxicity tests
- Noise
- HEPA appliance
- Biosafety Cabinetry



HOKLAS – Environmental Testing

Nature of samples (chemical/biological tests)

- Water, Wastewater, Saline water
 - Sediment, Soil, Sludge
 - Biota (fish and shellfish)
 - Air (indoor, outdoor, ash)
 - Waste (solid, semi-solid, liquid, solvent & Oil)
 - Asbestos
 - Consumer Products (e.g. Paint)
- 

HKCAS – Scope of service

- **System Certification**
 - ISO 9001 Quality management system (QMS)
 - ISO 14001 Environmental management system (EMS)
 - ISO 50001 Energy management system (EnMS)
- **Product Certification**
 - Construction materials
 - Consumer products
- **Greenhouse gases (GHG) Validation and Verification**
 - At organisation, project or product level

HKIAS – Scope of service

- Inspections related to production of consumer products (factory inspection, pre-production, during-production and pre-shipment inspection of specific products)
- Inspection of construction products and welds
- EPD's Indoor air quality scheme



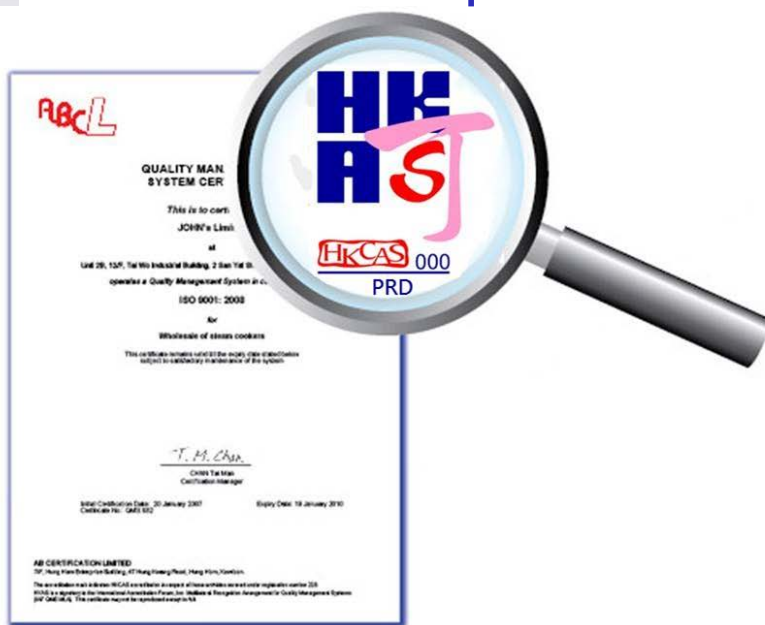
The image displays two versions of the Indoor Air Quality Certificate (IAQ Certificate) issued by the Environmental Protection Department (EPD) of the Hong Kong Government. Both certificates are for the purpose of certifying the indoor air quality of a building.

Left Certificate: Indoor Air Quality Certificate (Good Class)
 This certificate is titled "Indoor Air Quality Certificate (Good Class)" and "室內空氣質素檢定證書 (良好級)". It includes fields for the valid period, name of building, address, and certified location(s). It also has a section for the Approved HKIAS IAQ Signatory, including their name, signature, date of issue, and certificate number. The bottom of the certificate mentions the "Indoor Air Quality Certification Scheme for Offices and Public Places" and the "Indoor Air Quality Information Centre".

Right Certificate: Indoor Air Quality Certificate (Excellent Class)
 This certificate is titled "Indoor Air Quality Certificate (Excellent Class)" and "室內空氣質素檢定證書 (卓越級)". It includes the same fields as the Good Class certificate. The bottom of the certificate mentions the "Indoor Air Quality Certification Scheme for Offices and Public Places" and the "Indoor Air Quality Information Centre".

Endorsed Reports and Accredited Certificates

- ⊕ Unless otherwise approved and specified, only results of accredited activities can be shown in endorsed reports and accredited certificates
- ⊕ The competence of the accredited activities has been assessed → the reliability of results in endorsed reports and certificates can be assured



International Recognition

- ✦ HKAS is signatory to the International Laboratory Accreditation Cooperation (ILAC) and International Accreditation Forum (IAF) Mutual Recognition Arrangement (MRA)
- ✦ Endorsed test reports and accredited certificates issued by HKAS accredited organisations are recognised by HKAS's MRA / MLA partners in **over 90 economies** worldwide



HKAS (MRA/MLA) partners

NORTH AND SOUTH AMERICA

A2LA (USA)
 AIHA-LAP, LLC (USA)
 ANSI (USA)
 ANSI-ASQ (USA)
 ASCLD/LAB (USA)
 CALA (Canada)
 CGCRE/INMETRO (Brazil)
 ECA (Costa Rica)
 ema (Mexico)
 IAS (USA)
 INDECOPI (Peru)
 INN (Chile)
 L-A-B (USA)
 NVLAP (USA)
 OAA (Argentina)
 OAE (Ecuador)
 OGA (Guatemala)
 ONA (Paraguay)
 ONARC (Cuba)
 OUA (Uruguay)
 PJLA (USA)
 SCC (Canada)

EUROPE

ACCREDIA (Italy)	INAB (Ireland)
ATS (Serbia)	IPAC (Portugal)
BELAC (Belgium)	NA (Norway)
Bmwfj (Austria)	NAT (Hungary)
CAI (Czech Republic)	OLAS (Luxembourg)
COFRAC (France)	PCA (Poland)
CYS-CYSAB (Cyprus)	RENAR (Romania)
DAkkS (Germany)	RvA (Netherlands)
DANAK (Denmark)	SA (Slovenia)
ENAC (Spain)	SAS (Switzerland)
ESYD (Greece)	SNAS (Slovakia)
FINAS (Finland)	SWEDAC (Sweden)
HAA (Croatia)	TURKAK (Turkey)
IARM (Macedonia)	UKAS (UK)

OTHER REGIONS

DAC (United Arab Emirates)
 EGAC (Egypt)
 ISRAC (Israel)
 NCA (Kazakhstan)
 SANAS (South Africa)
 TUNAC (Tunisia)

ASIA PACIFIC

AAC Analitica (Russian Federation)
 BLA-DSS (Thailand)
 BLQS-DMSc (Thailand)
 BoA (Vietnam)
 CNAS (China)
 DSM (Malaysia)
 IAJapan (Japan)
 IANZ (New Zealand)
 JAB (Japan)
 JAS-ANZ (Australasia)
 KAB (South Korea)
 KAN (Indonesia)
 KAS (South Korea)
 KOLAS (South Korea)
 MASM (Mongolia)
 NABCB (India)
 NABL (India)
 NATA (Australia)
 NSC-ONAC (Thailand)
 PAO (Philippines)
 PNAC (Pakistan)
 PNGLAS (Papua New Guinea)
 SAC (Singapore)
 SLAB (Sri Lanka)
 TAF (Chinese Taipei)
 VLAC (Japan)



Benefits of using accredited testing, certification and inspection services

- ✦ Competence of conformity assessment bodies have been assured, providing confidence in services
- ✦ Minimize the risk of failed products or services due to wrong results
- ✦ Eliminate the need for repetition of testing, certification and inspection (through MRA / MLA) → reducing costs and facilitating free trade across borders

HOKLAS

HOKLAS

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Number of Organisations Accredited by HKAS*

Accredited Service	No. of Organisations
Environmental Testing	45
Environmental Management System Certification	15
Energy Management System Certification	10
Greenhouse Gas Assertions Verification	2
Indoor Air Quality Inspection	9

* as at Nov 2017



For More Information...

Please visit our website

www.hkas.gov.hk

The screenshot shows the homepage of the Hong Kong Accreditation Service (HKAS). The header includes the Innovation and Technology Commission logo and the text "The Government of the Hong Kong Special Administrative Region". Below the header is a navigation bar with links: Home, About Us, Estimate of Expenditure, Funding Schemes, Research & Development Centres, Technological Infrastructure, Advisory Committee on Innovation & Technology, Human Capital, Technology Areas, Hong Kong Accreditation Service (HKAS), Product Standards > Information Bureau (PSIB), Standards & Calibration Laboratory (SCL), Facts & Figures, Press Releases, Speeches, LegCo Business, Publications & TV Announcements in the Public Interest, Forms, Directory on Hong Kong Science & Technology Resources, Mainland Science > and Technology Information.

The main content area is titled "Hong Kong Accreditation Service" and features a "What's New" section with the following items:

- Accreditation for testing of lead content in solder or filler metal
- Testing of lead and other heavy metals in water
- Implementation arrangements for ISO 9001:2015, ISO 14001:2015 and ISO/IEC 17051:2015 are available in the "Announcements for What's New"

Below the "What's New" section is the "About Accreditation" section, which states: "Hong Kong Accreditation Service (HKAS) provides accreditation for conformity assessment bodies located in Hong Kong, through the following schemes:

- Hong Kong Laboratory Accreditation Scheme (HOKLAS) - for laboratories, reference material producers and proficiency testing providers
- Hong Kong Certification Body Accreditation Scheme (HKCAS) - for certification bodies, and greenhouse gas validation and verification bodies
- Hong Kong Inspection Body Accreditation Scheme (HKIAS) - for inspection bodies

There are also sections for "Publications" and "FAQ/Information".

The screenshot shows the "Accredited Organisations" page of the Hong Kong Accreditation Service (HKAS). The header is the same as the previous screenshot. The main content area is titled "Accredited Organisations" and contains the following text: "This page contains the most up-to-date scopes of accreditation of HOKLAS, HKCAS, HKIAS accredited organisations. Users are able to quickly identify those organisations accredited for the required types of test, certification and inspection, and view and download their detailed scopes where necessary."

Below the text are three logos for HOKLAS, HKCAS, and HKIAS. Below the logos is a table with the following columns: "Sort by Test Categories / Certification Services / Inspection Fields", "Download", "Download", and "Download". The table lists various categories and provides links to download the detailed scopes of accreditation for each category.

The categories listed are:

- Sort by Test Categories / Certification Services / Inspection Fields
- Directory of Accredited Organisations (Sort by Name of Organisation)
- Directory of Accredited Organisations (Sort by Registration Number)
- Directory of Accredited Organisations (Full List)
- Current Suspension / Termination List
- Archived Suspension / Termination List
- Terminated Activities

At the bottom of the page, there is a note: "As the accreditation status of an organisation may change, to ensure that the organisation is accredited for the test, certification or inspection concerned, users are advised to request the organisation to issue results in a HOKLAS, HKCAS or HKIAS endorsed report or certificate."



Thank you

