



How to select reliable testing and certification services

如何選擇可靠的檢測認證服務



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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 Product Manufacturers or Service Providers
 - Create business opportunities due to improved acceptance and confidence of customers
 - Reduce non-compliance, liability, rejection of products and resulting financial risks
 - Enhance company's reputation and image for promoting business
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Benefits of Third-Party Testing and Certification

Buyers/Customers

- ◆ Identification of safe and quality products
- ◆ Reduce acceptance testing/monitoring

Regulators

- ◆ Apply private sector resources to achieve regulatory objectives
 - ◆ Uphold safety and conformity of products at low administrative costs
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Impact of “Wrong Results”

- Products with incorrect safety test results → hazardous to customers (public health issue)
- Products with incorrect electromagnetic compatibility (EMC) test results → causing interference between equipment, e.g. medical devices (Could be life-threatening)
- High cost of recall/replacement of non-compliance products (financial loss) → subsequent loss of customers (loss of confidence/loyalty) → further financial loss



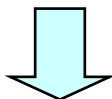
Accreditation
bodies



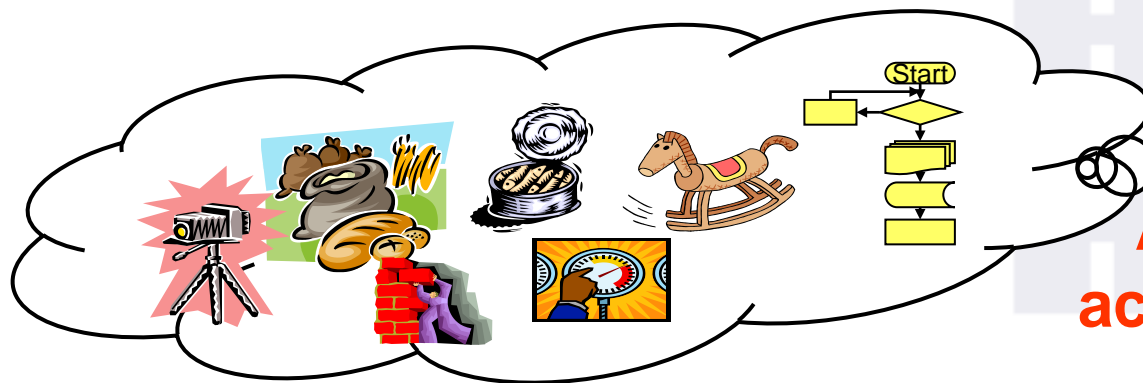
Accreditation
- provides 3rd party assurance



***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 (HKSAR) 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)
- ✦ The only accreditation body in Hong Kong
- ✦ 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)

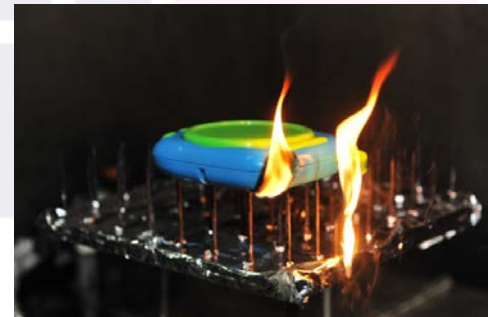
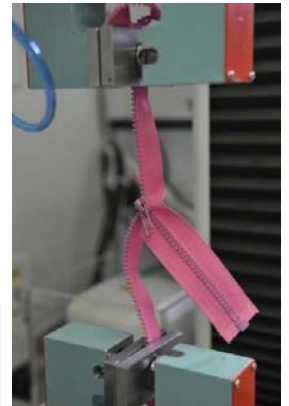
Features of HKAS Accreditation

- 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



HKCAS – Scope of service

- Accreditation of System Certification
 - ISO 9001 Quality management system (QMS)
 - ISO 14001 Environmental management system (EMS)
 - ISO 22000 Food safety management system (FSMS)
 - ISO 27001 Information security management system (ISMS)
 - ISO 50001 Energy management system

HKCAS – Scope of service

- Accreditation of Product Certification
 - HKEIA LED Lighting Product Certification Scheme
 - US Federal Communications Commission Telecommunication Certification Body (FCC TCB) Program for unlicensed radio frequency devices
 - Hong Kong Telecommunications equipment Evaluation and Certification (HKTEC) Scheme developed OFCA
 - Q-Mark Food Certification Scheme
- Accreditation of Greenhouse gases (GHG) Validation and Verification

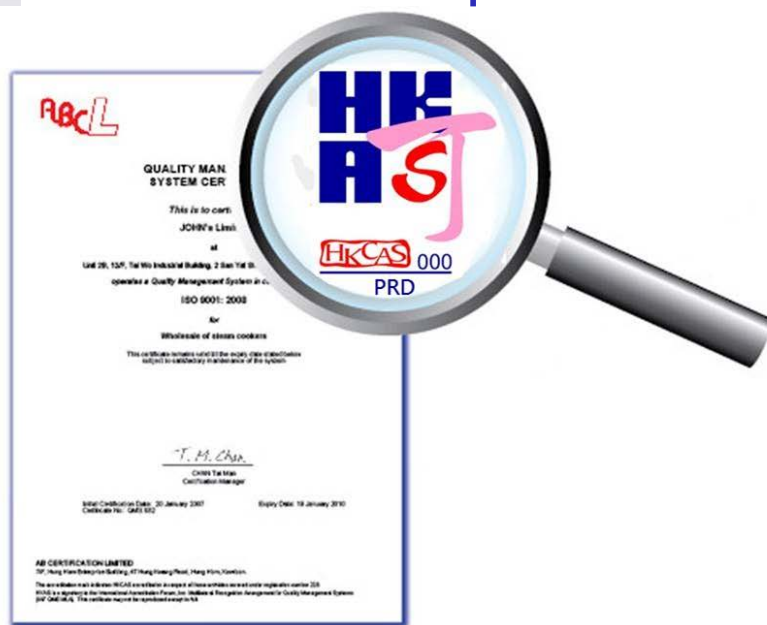
HKIAS – Scope of service

- 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



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

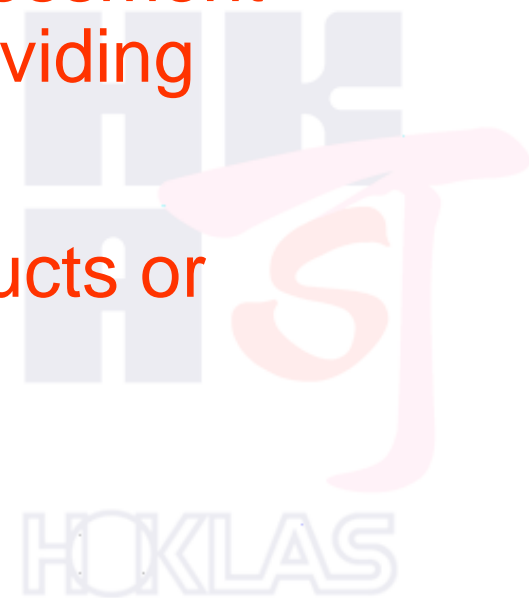
DAC (United Arab Emirates)
 EGAC (Egypt)
 ISRAC (Israel)
 NCA (Kazakhstan)
 SANAS (South Africa)
 TUNAC (Tunisia)

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)



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



Number of Establishments Accredited by HKAS*

	No. of Establishments
HOKLAS	218
HKIAS	19
HKCAS	24
Total	261

* as at Dec 2016

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, and Innovation and Technology Information. The main content area features a "What's New" section with a list of recent updates, including accreditation for testing of lead content in solder or filler metal, testing of lead and other heavy metals in water, and implementation arrangements for ISO 50001:2015, ISO 14001:2015, and ISO/IEC 17051:2015. Below this is an "About Accreditation" section explaining the service and its schemes: Hong Kong Laboratory Accreditation Scheme (HOKLAS), Hong Kong Certification Body Accreditation Scheme (HKCAS), and Hong Kong Inspection Body Accreditation Scheme (HKIAS). The "Publications" and "FAQ/Information" sections are also visible at the bottom.

The screenshot shows the "Accredited Organisations" page of the Hong Kong Accreditation Service (HKAS). The header is identical to the previous screenshot. The main content area includes a paragraph stating that the page contains the most up-to-date scopes of accreditation for HOKLAS, HKCAS, and HKIAS accredited organisations, and that users can quickly identify those organisations accredited for the required types of test, certification and inspection, and view and download their detailed scopes where necessary. Below this is a table with three columns: "Sort by Test Categories / Certification Services / Inspection Fields", "Download", and "Download". The table lists various categories and provides links to download the detailed scopes. The categories include: 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, and Terminated Activities. Each category has a corresponding "Download" button. At the bottom, a note states: "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

