

About CMA Testing

CMA Industrial Development Foundation Limited (CMA Testing) is a leading independent conformity assessment organisation in Hong Kong with offices in the Mainland China. It was established in 1979 by the Chinese Manufacturers' Association of Hong Kong, which is a non-profit making and one of the most representative and oldest industrial associations in the territory. Accredited under the Hong Kong Laboratory Accreditation Scheme (HOKLAS)* and Hong Kong Inspection Body Accreditation Scheme (HKIAS)*, we offer test reports which are internationally and commercially recognised.



Scope of Testing Services

Our laboratory offers a comprehensive range of testing services:

- Toys
- Chemicals
- Electrical and Electronic Products
- Cosmetics
- Textile, Garment and Material
- Food, Food Containers & Microbiology
- Environment
- Inspection
- Chinese Medicine

Value-added Services

At CMA Testing, we provide not only the core services to help marketing your products around every corner of the world, but also a range of value-added services,

- Modification Advice on Electrical Items' Design
- Quality Assurance Programs
- Testing Equipment and Facility Rental
- Pre-scan Services
- Standard and Regulation Updates
- Testing Project Development
- Product Evaluations
- Technical Consultancy
- Workshops and Seminars

* For the full scope of our accreditations, please refer to HOKLAS directory of accredited laboratories at HOKLAS website (Reg. no.,004) and HKIAS directory of accredited laboratories at HKIAS website (Reg. No.: 015).

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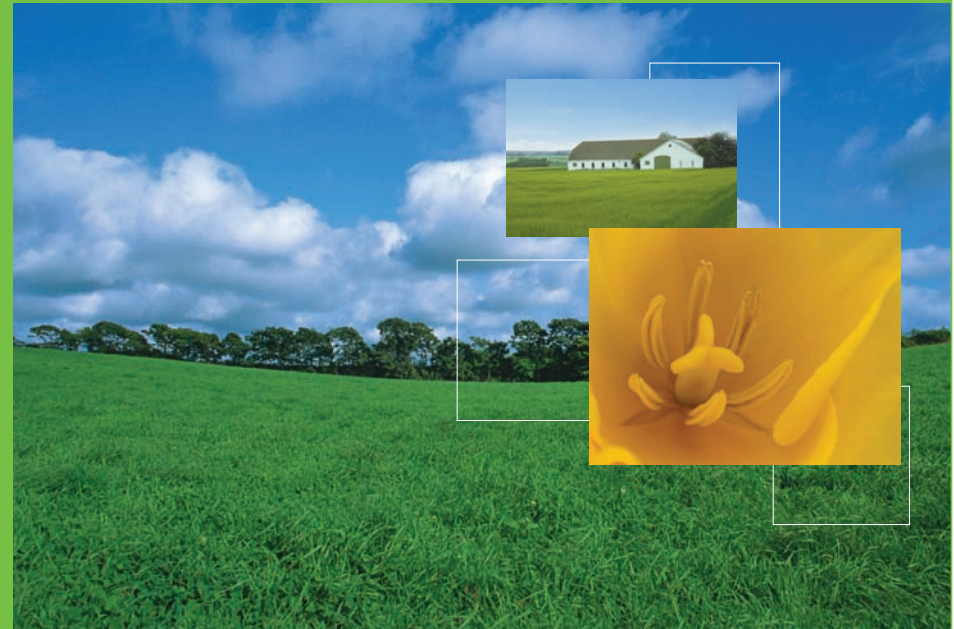
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* Apart from Fo Tan head office, we have sample collection centres in Central, Mong Kok and Kwun Tong to facilitate the delivery of samples. Detail address and contact information are shown on our website (http://www.cmactl.com/en/contact_collection.html).

www.cmactl.com

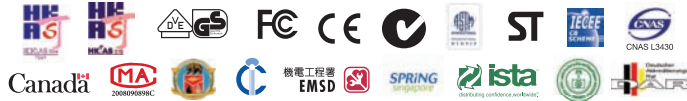
A Brief Guide to NEW EU Directives WEEE & RoHS



Partners / Joint Ventures :



Accreditation / Recognition:



Your WEEE and RoHS Consultant



CMA Testing - Your Reliable Green Manufacturing Partner

One-stop Solution to WEEE & RoHS Directives

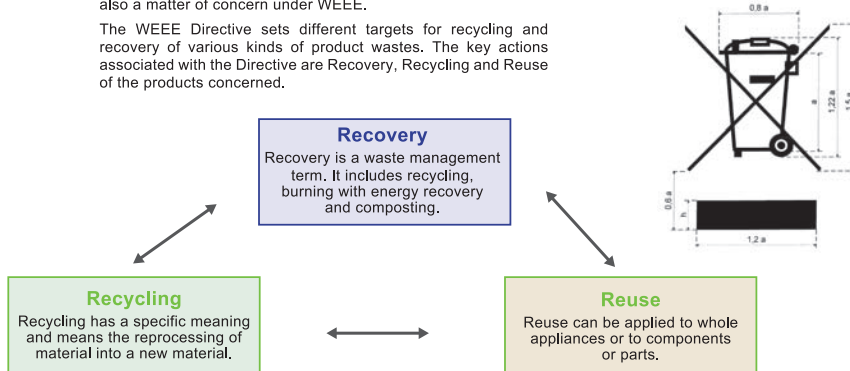
There are growing concerns worldwide over the potential threats of electrical and electronic waste directed towards the environment and human health. With an aim to tackle with the associated environmental problems, EU Council and the European Parliament introduced two Directives: Wastes Electrical and Electronic Equipment (WEEE) Directive (2002/96/EC) and Restriction of the use of certain Hazardous Substances (RoHS) Directive (2002/95/EC). As a responsible manufacturer, exporter or importer marketing these products in the EU countries, it is worthwhile to go through the details given in this leaflet to find out an effective way to manage the requirements.



HOW ARE YOU AFFECTED?

WEEE WEEE aims to ensure that products can be easily broken down for reuse, recycle or treatment at the end of the life cycle. A "Crossed Out Wheeled Bin" symbol and a unique identification of the product (such as a product registration number), and information such as reuse centres, treatment and recycling facilities are required on the product. Apart from product design, a robust system from logistic flow of the materials to production lines is also a matter of concern under WEEE.

The WEEE Directive sets different targets for recycling and recovery of various kinds of product wastes. The key actions associated with the Directive are Recovery, Recycling and Reuse of the products concerned.



RoHS RoHS restricts the level of use of four heavy metals and two flame retardants. Material and product testing by independent testing laboratories is the most commonly used approach to demonstrate your products being compliant with the Directive.

- Categories of Electrical & Electronic Equipment covered by WEEE & RoHS and Recovery/Recycling requirements under WEEE:

Category of Items	WEEE	RoHS	For WEEE Only	
			Total % Recovery	Total % Re-use & Recycling
1. Large household appliances	●	●	80	75
2. Small household appliances	●	●	70	50
3. IT and telecommunications equipment	●	●	75	65
4. Consumer equipment	●	●	75	65
5. Lighting equipment	●	●	70	50
6. Electrical and electronic tools (with the exception of large-scale stationary industrial tools)	●	●	70	50
7. Toys, leisure and sports equipment	●	●	70	50
8. Medical devices (with the exception of all implanted and infected products)	●		/	/
9. Monitoring and control instruments	●		70	50
10. Automatic dispensers	●	●	80	75

- For RoHS Directive, the names of the 6 restricted hazardous substances and the respective maximum concentration values are:

Substance	Maximum Concentration Values	
	Lead (Pb)	0.1%
Mercury (Hg)	0.1%	1000ppm
Cadmium (Cd)	0.01%	100ppm
Hexavalent Chromium Cr (VI)	0.1%	1000ppm
Polybrominated biphenyls (PBBs)	0.1%	1000ppm
Polybrominated diphenyl ethers (PBDEs)	0.1%	1000ppm
Decabromodiphenylether (DecaBDE)	Exemption has been removed since 1st July 2008	

Material Specification Review - An analytical approach

A verified Bill of Materials (BOM) of a product as well as its components and materials gives a high degree of confidence for RoHS compliance. Having checked carefully and professionally by specialists, uncertain and high risk materials will be classified for further chemical analysis or verification.



Benefits of Material Specification Review

- Assess & classify the materials in BOM by risk analysis approach
- Verify the specification, certification and technical document of each material
- Endorse a verified BOM in component/product for RoHS compliance

Laboratory Testing - A quick approach

With expertise and experience in product and material testing, CMA Testing delivers reliable and professional testing solution with quick turnaround time. We possess advanced and sophisticated testing facilities as well as comprehensive monitoring system to provide the highest standard of laboratory service.

Benefits of Laboratory Testing

- Determine accurately the level of hazardous substances present including Pb, Cd, Hg, Cr(VI), PBBs and PBDEs with latest technology
- Require only sample submission plus simple product and component descriptions
- Get confirmation of compliance in the fastest way

Training & Assessment

To assist your staff to keep abreast of the latest development in the Directives and their implications, we have "Training and Assessment" services to provide them with the necessary up-to-date information and tailored consultation on the major and intricate problems they may encounter in the production flow.

Benefits of Training & Assessment

- Enhance staff knowledge in WEEE & RoHS Directives
- Understand the key impacts of the Directives as well as the roles and responsibilities the company should take
- Find out the gap from compliance and make recommendations for improvement on implementation

