

About Us

CMA Industrial Development Foundation Limited (CMA Testing and Certification Laboratories) is a leading independent conformity assessment organization 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 association 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 recognized.



Our Services

Our laboratory offers one-stop diverse services including :

Testing Services

Toys, Electrical & Electronic Products, Textiles & Garments, Hardline & Packaging, Food, Food grade and Pharmaceutical, Environmental, Furnitures, Cosmetics and more.

Inspection and Factory Audit

On-site Inspection Service, Quality System Evaluation, Worker's Skill / Hygiene, Production Capability and more.

Value-Added Services

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

* For the accredited activities under HOKLAS (Reg. no.: 004) and HKIAS (Reg. no.: 015), please refer to scope of accreditation at HKAS website.

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A Brief Guide to NEW EU Directives WEEE & RoHS



Joint Ventures:



Worldwide
Accreditation /
Recognition:



Please refer to www.cmatcl.com for full list of accreditation / recognition.

Your Conformity Assessment Consultant



CMA Testing - Your Reliable Green Manufacturing Partner

One-stop Solution to WEEE & RoHS Directives

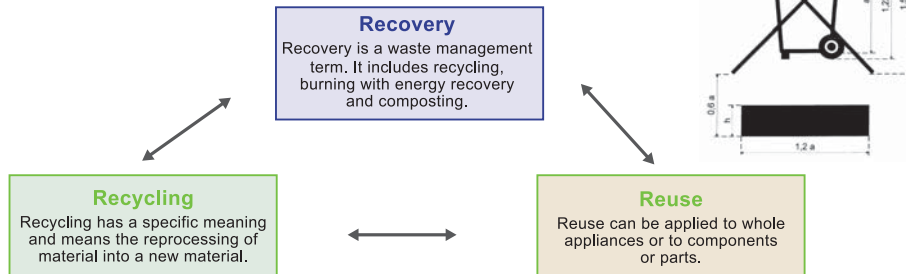
There are growing concerns worldwide over the potential threats of electrical and electronic waste directed towards the environment and human health. With an aim to tackle the associated environmental problems, EU Council and the European Parliament introduced two Directives: Wastes Electrical and Electronic Equipment (WEEE) Directive (2012/19/EU) and Restriction of the use of certain Hazardous Substances (RoHS) Directive (2011/65/EU). 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 The New recast RoHS Directive 2011/65/EU (which was also known as RoHS 2.0) will be effective on 3 January, 2013. This new Directive restricts the use of certain hazardous substances in electrical and electronic equipment (EEE). The requirements on affixing CE marking and drawing up the declaration of conformity have also been covered. 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 EEE covered by new RoHS Directive (2011/65/EU)

Category of Items	
1. Large household appliances	2. Small household appliances
3. IT and telecommunications equipment	4. Consumer equipment
5. Lighting equipment	6. Electrical and electronic tools (with the exception of large-scale stationary industrial tools)
7. Toys, leisure and sports equipment	8. Medical devices (with the exception of all implanted and infected products)
9. Monitoring and control instruments (including industrial monitoring and control instruments)	10. Automatic dispensers
11. Other EEE not covered by any of the categories above	

The scope has been extended to All electrical and electronic equipment, including medical devices, monitoring and control instruments.

Electrical and electronic equipment (other than list above) which fell outside the scope of the original RoHS Directive will be effective on 22 July 2019.

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

With a view to further restrictions of substances, the use of Hexabromocyclododecane (HBCDD), Bis (2-ethylhexy) phthalate (DEHP), Butyl benzyl phthalate (BBP) and Dibutyl phthalate (DBP) should be considered as a priority.

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

