



The Mostly Concerned Environmental Laws & their Development in the Mainland China

國家最受關注之環保法例及其最新發展

**China Dragon Inspection & Certification (HK) Ltd. /
China Inspection Co. Ltd. - Testing Centre**

We care for your quality assurance needs



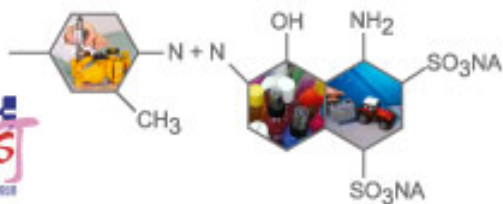
TESTING
CNAS L0064



HOKLAS 068



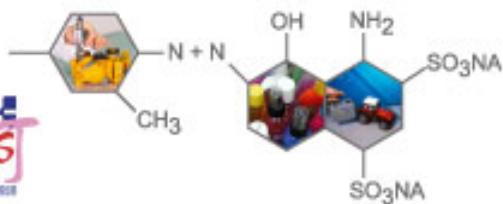
**We care for
your needs in
QUALITY ASSURANCE**



Company Background

- Founded in 1993 by
China Inspection Co., Ltd.
- Subsidiary:
 - ✓ Certification Services Department for
Food Label & Cosmetic Label
 - ✓ Certification Services Department for
Issuing Form A & E
 - ✓ Vehicle & Recycle Material Inspection
Centre
 - ✓ Animals/Plants and Products Quarantine
Centre
 - ✓ More....





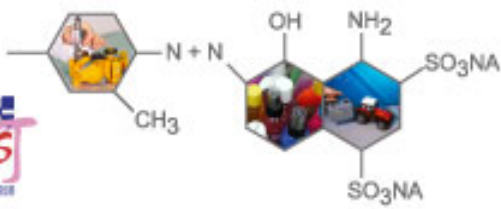
International Accreditations

- Accredited by **HOKLAS** and **CNAS**
- Complied with **ISO/IEC 17020 & 17025** Standards



TESTING
CNAS L0064

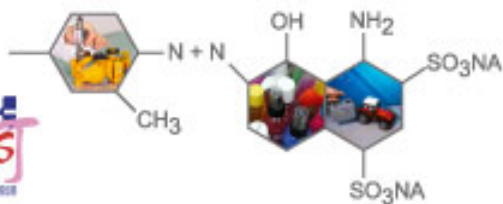




International Accreditations

- The only HK lab. recommended by
- China Government AQSIQ to conduct China RoHS tests



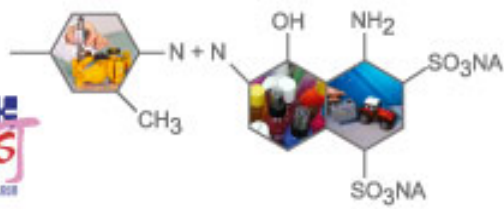


Our Service Scope

- Testing Services for Consumer Products and Heavy Industrial Products
- Labeling Verification & Certification Services for Imported Products into China Market
- Inspection Services

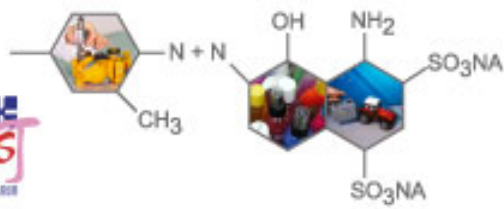


Our laboratory building with more than 160,000 sq. ft. area is located at HONG KONG



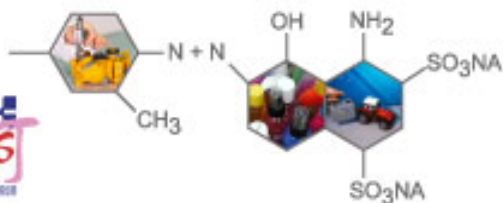
Why China RoHS ?

To control & reduce environmental pollution and other public hazards during the process of manufacturing, selling and importing electronic information products (EIP) in China.



Any Major Environmental Laws ?

1. China RoHS
2. China REACH
3. VOC in Coatings; etc....



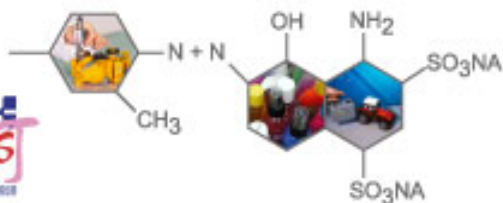
What is China RoHS?

Directive/ Law: 《电子信息产品污染控制管理办法》（第39号令）

Published Date: 02/03/2006

Published By: 信息产业部
国家发展和改革委员会
商务部
海关总署
国家工商行政管理总局
国家质量监督检验检疫总局 (AQSIQ)
国家环境保护总局

Enforcement Date: 2007年3月1日起施行



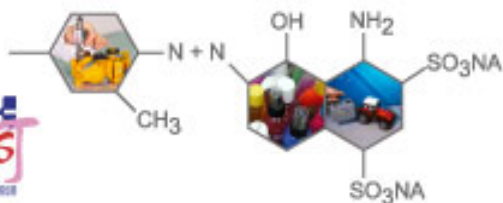
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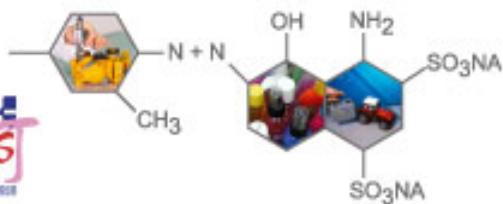
What is China RoHS?

Requirements: 《电子信息产品污染控制管理办法》（第39号令）

(I) For EIP Requirements:

<u>(A) Restricted Toxic & Hazardous Subs.</u>	<u>Limits</u>
1. Lead (Pb) 铅	0.1%
2. Mercury (Hg) 汞	0.1%
3. Cadmium (Cd) 镉	0.01%
4. Chromium VI (Cr^{6+}) 六价铬	0.1%
5. PBBs 多溴联苯	0.1%
6. PBDEs 多溴二苯醚	0.1%

Note: If EIP contain at least one of the above substances which exceeds the above specified limits, it means “contain” in terms of China RoHS is concerned.



What is China RoHS?

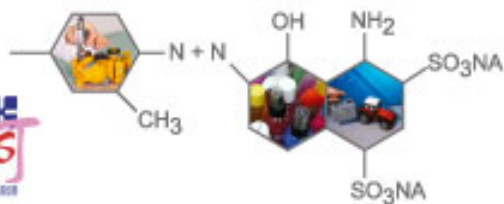
Requirements: 《电子信息产品污染控制管理办法》（第39号令）

(B) 環保使用期限 (*Environmental Friendly Use Period*):

Definition:

是指電子資訊產品中含有的有毒、有害物質或元素不會發生外泄或突變 (*no leakage or sudden deterioration of toxic & hazardous substances*)，電子資訊產品用戶使用該電子資訊產品不會對環境造成嚴重污染或對其人身、財產造成嚴重損害的期限。

Note: English words printed in italic in this page is only the non-official translation of original directive(s), law(s) or standard(s).



What is China RoHS?

Requirements: 《电子信息产品污染控制管理办法》（第39号令）

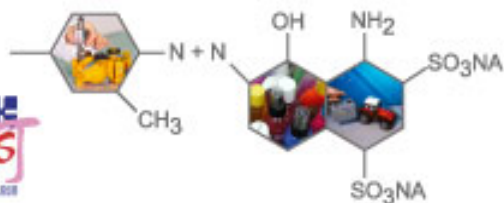
EIP Contains none of above 6 toxic & hazardous substances could be label on product with



EIP Contains any one of above 6 toxic & nazardous substances could be labeled on product with the label similar to the following with the correct environmental Friendly Use Period in the center in the unit of year.



**+ Table of toxic & hazardous substances content table
(Name, Content , and component which found)**



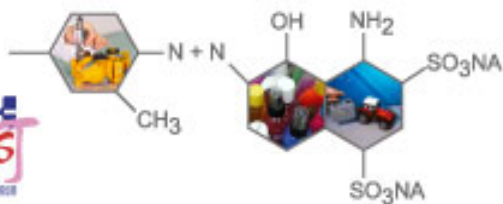
Example:

Toxic & Hazardous Substances Content Table

产品中有毒有害物质或元素的名称及含量

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PB)B	多溴二苯醚 (PB)DE

○：表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T11363-2006 标准规定的限量要求以下。
 ×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363-2006 标准规定的限量要求。（企业可在此处，根据实际情况对上表中打“×”的技术原因进行进一步说明。）



What is China RoHS?

Requirements: 《电子信息产品污染控制管理办法》（第39号令）

(II) For EIP's Packaging Requirement:

- Packaging Material Content have to be disclosed with the use of suitable recycling mark as per GB 18455 - 2001.



PETE



HDPE



V



LDPE



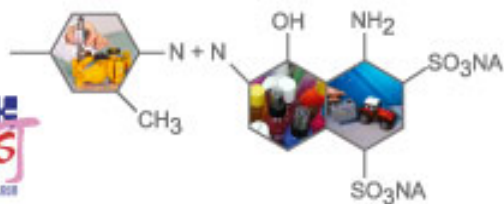
PP



PS



OTHER



How China RoHS Works?

出入境檢驗檢疫機構 (CIQ)



Check imported EIP in Border & Markets for the proof of compliance
(such as, but not limited to the followings)

1. **Orange Color Environmental Friendly Use Period) / Green Recycling Label;**
2. **Name, Content , location found of restricted toxic & hazardous substances;**
3. **Ingredient information of EIP's packaging use; and**
4. Other proof of Documents (eg., China RoHS test reports or certificates issued by AQSIQ approved labs), etc.



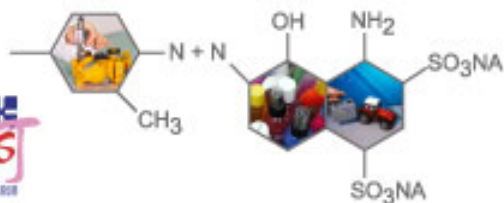
Issue 《入境貨物通關單》, (if in Compliance)



海關 (China Custom)



Clear Custom 辦理驗放手續

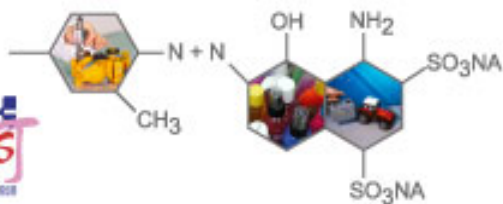


China RoHS Standards

A series of relevant new China RoHS standards have been published for the China RoHS compliance use.

- ❖ **SJ/T 11363 – 2006: Hazardous Substance Concentration Limit Requirement**
- ❖ **SJ/T 11364 – 2006: Marking & Labeling Requirement**
- ❖ **SJ/T 11365 – 2006: Testing Method**
- ❖ **SJ/Z 11388 – 2009: General Guidelines of Environment friendly use period of Electronic Information Products (effective date: 1/1/2010)**

**We are the only laboratory in overseas
recognized by China Gov't**

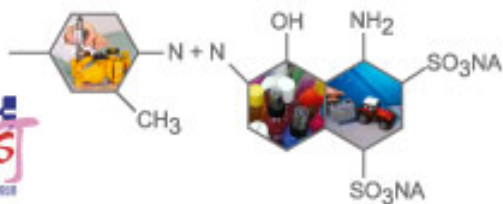


EIP Products are Affected?

Basically all electronic information products (EIP) available in China market for sale. They include:

- ✓ Radar Equipment / Products 電子雷達產品
- ✓ Communication Equipment / Products 電子通信產品
- ✓ Broadcast & Television Industry Equipment 廣播電視產品
- ✓ Computer Industry Products 計算機產品
- ✓ Household Electronic Products 家用電子產品...

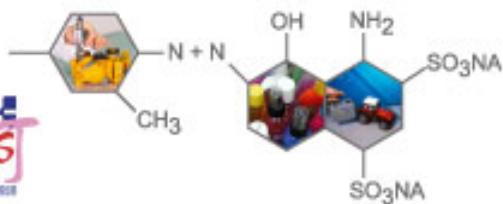




EIP Products are Affected?

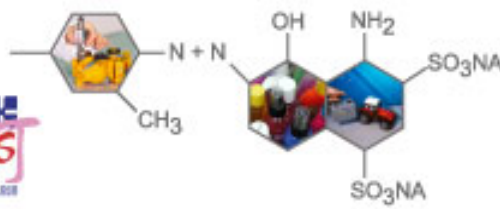
- ✓ Electronic Industry Dedicated Products 電子測量儀器產品
- ✓ Electronic Element Products 電子專用產品
- ✓ Electronic Device Industry Products 電子元器件產品
- ✓ Electronic Application Products 電子應用產品
- ✓ Electronic Dedicated Material Products 電子材料產品以及軟件產品
- ✓ Plus more 更多...





China RoHS & EU RoHS

Material Category		<u>China RoHS</u>	<u>EU RoHS</u>
EIP – A	Homogenous Material > 4 mm ³ (except metal plating)	Not allow exemption (except deca BDE)	Allow many materials exemption.
EIP – B	Metal Plating (no intention added)	Pb, Hg, Cr6+, Cd	PBBs & PBDEs are also restricted.
EIP – C	Non-Homogenous Material ≤ 4 mm ³	Pb, Hg, Cr6+, PBBs, PBDEs (<0.1%); Cd (<0.01%)	Not allowed.



Solutions to China RoHS

Employ a recognized lab from AQSIQ Approved List



Get EIP tested (SJ/T 11365 –2006)



Based on the data in the test report (SJ/T 11363 - 2006)



Prepare Toxic Hazardous Substances Content Table (SJ/T 11364 - 2006)



Choose the appropriate Recycling Mark for EIP (SJ/T 11364 - 2006)

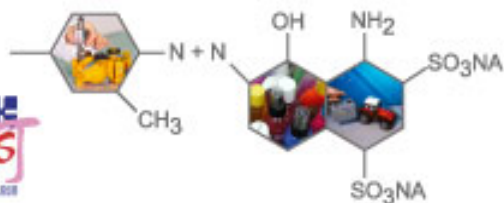


Determine the correct environmental Friendly Use Period (SJ/T 11388 – 2009)



Choose the appropriate Recycling Mark for Packaging (GB 18455 - 2001)

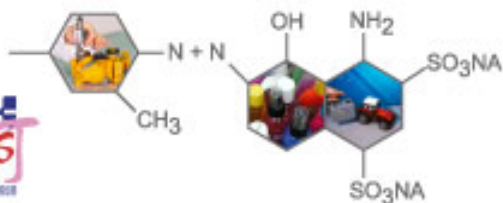
We provide prompt services



Solutions to China RoHS

XRF Pre-screening Method	Full Chemical Testing Methods
X-ray Fluorescence Spectrometer (XRF) X - 螢光分析儀	FAAS/ AA-VGA/ ICP-OES for heavy element analysis
	Ultraviolet-visible Spectrophotometer / IC for Cr6+
	<ul style="list-style-type: none"> • Gas Chromatograph / Mass Spectrometer (GC / MS) • HPLC-DAD For PBBs and PBDEs

We Rely on State-of-the-Art Testing Facilities



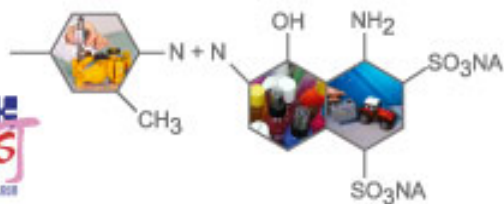
Recent Development in China RoHS

29/9/2009 國家工業和信息化部 公告了（第一批）《電子信息產品污染控制重點管理目錄》包括有：

1. 移動用戶終端 (HS#85171210)
2. 電話（包括固定電話終端及無線電話終端）(HS# 85171100 & HS# 85171800)
3. 連接電腦的打印機 (HS# 84433211, 8443312,.....)

生效日期：發報后**10**個月開始執行 ---→（**CCC** 認證）。

We Rely on State-of-the-Art Testing Facilities



What is China REACH?

Directive/ Law: 《新化學物質環境管理辦法》（環境保護部第 7 號令）

Published Date: 19/01/2010

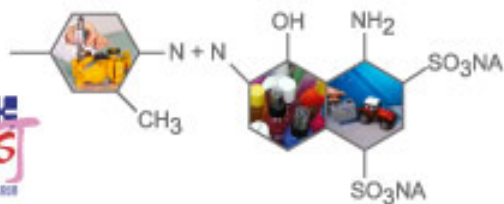
Published By: 環境保護部

Enforcement: 2010年10月15日起施行

Aims: 控制新化學物質的環境風險，保障人體健康，保護生態環境

Scope:

1. 活動上從事研究、生產、進口和加工使用到的新化學物。
2. 醫藥、農藥、獸藥、化粧品、食品、食品添加劑、飼料添加劑等都適用本辦法。
3. 設計為常規使用時有意釋放出所含新化學物質的物品，適用本辦法。



What is China REACH?

新化學物質？ - 是指未列入《中國現有化學物質名錄》* 的化學物質

新化學物質分爲兩大：1. 一般類 2. 危險類

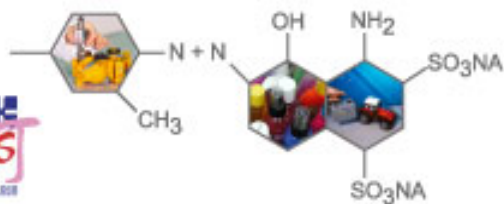
在危險類的新化學物質中（如具有持久性、生物蓄積性、生態環境和人體健康危害特性的），列爲重點環境管理危險類生化學物質

管理方法： 實行風險分類管理，實施申報登記和跟蹤控制制度

登記證： 生產者或進口者：必須在生產前或進口前申報，領取新化學物質環境管理登記證，簡稱“登記證”。

*名錄可在以下官方網站瀏覽（內有 4 萬多種化學物）：

<http://www.crc-mep.org.cn/iecscweb/IECSC.aspx?La=1>



What is China REACH?

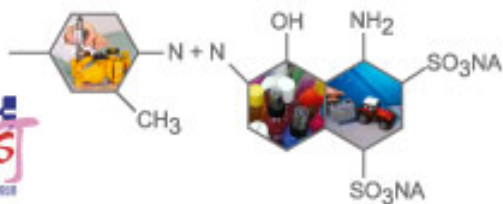
申報程序*：

申報類型分三類：

1. 常規申報
2. 簡易申報
3. 科學研究備案申報

* 《新化學物質申報登記指南》可在官方網站下載：

http://www.mep.gov.cn/pv_obj_cache/pv_obj_id_41CEA8B3F49E4D92164618731AAA6464261E0900/filename/W020100921500388885939.pdf



What is China REACH?

1. 常規申報：年生產量或入口量 > 1 噸：

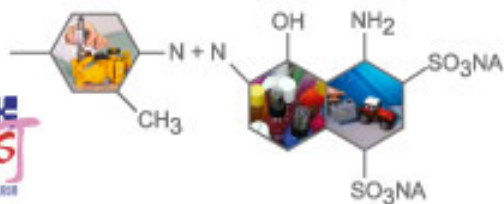
-向環境保護部化學品登記中心（簡稱“登記中心”）提交申報報告。

提交內容應包括：

1. 常規申請表 - 附上化學品分類、警示標籤和警示分類、標籤和化學品安全技术說明書。

2. 風險評估報告 - 危害評估、暴露預測評估和風險控制措施，以及環境風險和健康風險評估結論等。

3. 物理化學性質、毒理學和生態毒理學特性測試報告（須在中國境內用中國的供試生物按相關標準完成數據），以及有關測試機構的資質證明。

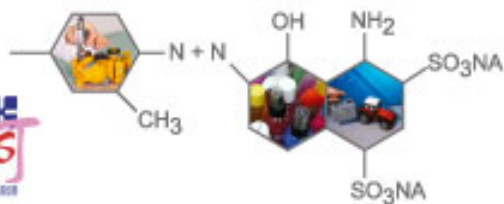


What is China REACH?

常規申報：遵循之原則“申報數量級別越高、測試數據要求越高”

物質申報數量：四級制

- 一級：年生產量 / 進口量 (>1 至 <10噸)
- 二級：年生產量 / 進口量 (>10 至 <100噸)
- 三級：年生產量 / 進口量 (>100 至 <1000噸)
- 四級：年生產量 / 進口量 (>1000噸)



What is China REACH?

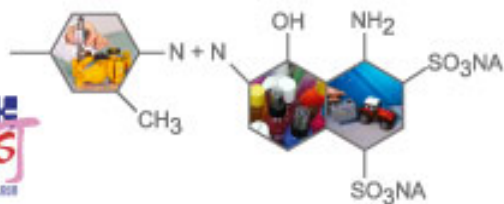
2a. 簡易申報：年生產量或入口量 < 1 噸：

-向“登記中心”提交申報報告。

提交內容應包括：

1. 簡易申請表

2. 生態毒理學特性測試報告（須在中國境內用中國的供試生物完成報告）



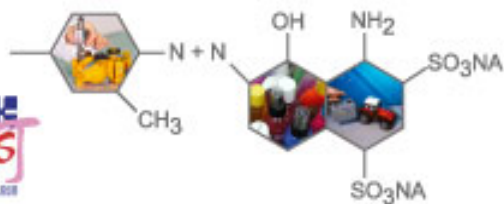
What is China REACH?

2b. 簡易申報 - 特殊情形：

- a. 用作中間體 / 僅供出口，年產量 / 進口量 (<1噸) ；或
- b. 作科學研究，年產量 / 進口量 (>0.1 至 <1噸) ；或
- c. 新化學物質單體含量 <2% 的聚合物 或者屬於低關注聚合物 ；或
- d. 以工藝和產品研究開發為目的，年產量 / 進口量 <10 噸，且不超過二年

提交內容應包括：

1. 簡易申請表
2. 符合相應情形的證明材料



What is China REACH?

3. 科學研究備案申報 - 適用於以下情形：

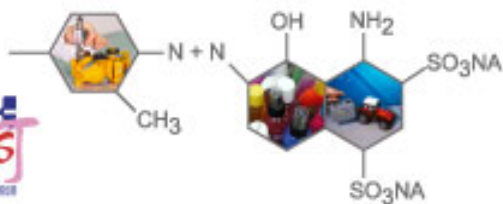
- 以科學研究為目的，年產量 / 進口量 (<0.1噸)；或
- 為了在中國境內用中國的供試生物進行新化學物質生態毒理學特性測試* 而進口之測試樣品。

提交內容應包括：

1. 科學研究備案表

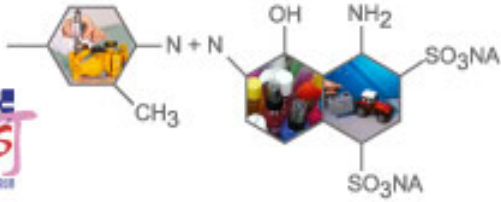
*環境保護部公告之境內合格生態毒理學特性測試機構：

http://www.mep.gov.cn/info/bgw/bgg/200903/t20090327_135772.htm#



查詢 Enquiry

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Email: andy@cdichk.com
- 林梓穎先生, 市場部經理
Mr. Minu, Senior Sales & Marketing Manager
Tel: 852 – 2486 6872 **Fax: 852 – 2675 9737**
Email: ian@cdichk.com
- 李向榮先生, 副市場部經理
Mr. Ringo Lee, Assistant Sales & Marketing Manager
Tel: 852 – 2486 687 **Fax: 852 – 2675 9737**
Email: ringo@cdichk.com



Thank You

Xièxiè

"Thank You"

SPASIBO

GRACIAS

Grazie

Mahalo

Merci

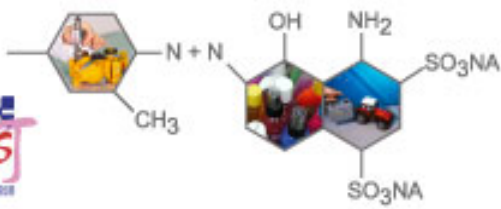
Danke

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Arigato

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Asante



Q & A

