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# LHAMA&TRA

The qualities of the art materials, such as crayons, pencils, chalk, ink, glues, paints, canvases that are used frequently, have an effect on user's health and life safety. To ensure consumer safety, the potential harm from being exposure to art materials must be taken into consideration. This includes reasonably foreseeable use, or misuse, as well as the likely exposure routes, such as inhalation, ingestion, skin and eye contact, and etc. Hangzhou C&K Testing's testing service delivers professional stationery testing services, which will help enterprises to export smoothly.

Since February 13, 1995, the Consumer Product Safety Commission of America has taken multiple factors into account, including packaging, market penetration, sales area and etc. Items such as pencils, pens, shipping mark pen and chalk (used as a general purpose but not only for art), supplemental tools and devices (used for artistic creation), surface material such as dyeing books and canvas are all included.

Starting from August 13 1995, the CPSC will have LAHMA requirements on items such as paints, crayons, color pen, glue and etc. as long as they will be used in art, craft, model or for collection (individually or as parts).

To sell your art materials and related products in USA, Europe, Canada and other countries, the products must first undergo a Toxicity Risk Assessment (TRA) that carried out by a certified toxicologist. TRA is now a regulatory requirement for certain types of consumer products e.g. cosmetics exported to EU. Many big buyers have also incorporated TRA as one of their specifications for consumer products to show due diligence.

# WHAT IS LHAMA AND TRA

## LHAMA

LHAMA, the Labeling of Hazardous Art Materials Act, requires that all art materials be reviewed to determine the potential for causing a chronic hazard and that appropriate warning labels be put on those art materials found to pose a chronic hazard. The Act is applicable to all art materials. It is not limited to children's products. According to CPSC Act 16 CFR 1500.14B8, the art materials should be carried out with LHAMA certification in accordance with the standard ASTM D4236.

## TRA

TRA, the Toxicological Risk Assessment, is a review of formulation to determine if a consumer product made from the formulation will pose a risk to the consumers i.e. causing adverse health effects by acute and chronic toxicity, irritation and sensitization under normal and reasonably foreseeable conditions of use. The hazard of individual ingredient, possible interactions of ingredients in the formulation and how the product will be used by the consumers are assessed by our qualified toxicologists.

## How to operate

### Product Information for ASTM D-4236 Testing (LHAMA Review)

Please provide the following information:

1. Clients name/address
2. Product name of Report
3. Physical form of the product (solid, liquid or particulate)
4. Weight of the product (material) per container or package
5. Suggested age of the (children) users
6. Product application (use)
7. Heavy metals analysis report
8. Material Safety Data Sheets of all ingredients
9. One sample for each product



### Ingredient Information for Toxicology Risk Assessment

Please provide the following information:

1. Name and Address of the Manufacturer/Distributor (No P.O. Box)
2. Contact Information (Telephone, fax & email)
3. Targeted Country
4. Name of the Product
5. Physical form of the product (solid, liquid or particulate)
6. Weight of the product per container or package (grams, KG etc)
7. Suggested Use of the product
8. Suggested age of users
9. Recommended amount of product per application
10. One sample for each product
11. Heavy metals analysis report
12. Material Safety Data Sheets of ingredients and that of final product
13. Ingredient list (Chemical name with CAS and CI numbers)

## About Us

C&K Testing is a leading testing company to render you specialised solutions concerning green and sustainable development of products. Established in 2008, we've helped thousands of customers to minimise the risks of their products to human health and the environment through our testing services. Our company is a member of CIRS which is a leading product safety management consulting firm. With our offices in Ireland and the United States as well as our laboratory in China, a global network of testing facilities enables you to meet all the relevant regulatory requirements across different markets more cost-efficiently.

## Contact us

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