

CR Lighter Testing Process and Information Needs

Step One: Confirm that at least six surrogate lighters have been made to specifications and pre-test force measurements have been taken. (See additional details on Page 4 of this form.)

Step Two: Send the surrogate lighters (Attn: Lori Dixon) to 3361 Executive Pkwy, Suite 200; Toledo, Ohio 43606.

Include a copy of this page with the surrogate units. If the surrogates are being sent to us directly from the company doing the force measurements, please have them include this page with the surrogates. When the surrogates are received, please expect an invoice for 50% of the project cost. Testing will begin after the initial payment has been received.

Step Three: Collect all of the information requested below. You will add it to the report binder you receive from us. All of this information is requested by the CPSC.

Step Four: After the protocol testing has been completed, we will send you the surrogates so you can arrange for post-force measurements to be taken. Post-force measurements need to be included in the report binder.

Contact Information and Report Documentation

Company Name (as it should appear on report title page):

Address to send final report binder and electronic data files:

City:

State:

Zip:

Telephone:

Fax:

Contact Name and Title:

Contact Email:

Model Name to be used in Report:

Updates will be emailed to the above email address every Monday while the testing is in progress.

The following information must be included in the report. You may use this format or any format you desire. After the testing is completed, GLM will prepare a binder that includes our test data. You will need to add all of the following information to the binder. We will supply to you two binders: one that you will complete and send to the CPSC (attn.: Julio Alvarado) and one for you to keep (in the United States) for your records.

Manufacturer			
Company Name:			
Address:	City:	State:	Zip:
Telephone:	Fax:		
Contact Name and Title:			
Contact Email:			
Importer			
Company Name:			
Address:	City:	State:	Zip:
Telephone:	Fax:		
Contact Name and Title:			
Contact Email:			
Final Location of Test Records and Surrogate Lighters (This must be a location in the USA and must be included in the final report.)			
Company Name:			
Address:	City:	State:	Zip:
Telephone:	Fax:		
Contact Name and Title:			
Contact Email:			

Lighter Identification (Be sure to list all model numbers as they will appear on retail packaging*.)

***Be sure to list all model numbers/names you are importing under for all customers.**

Model Name(s):

Model Number(s):

Fuel Used:

Color:

Circle type of lighter: Cigarette or Multipurpose

Details of Lighter (All information is required)

Description of Ignition Mechanism:

Description of Child-Resistant Feature:

Dimensions and Tolerance of Production Lighter: [Attach drawings; the CPSC requests that you include in the drawings the specifications (dimensions and tolerances) for all components used to operate the lighter (e.g., push buttons, slide switches, triggers, spark wheel, thumb wheels, etc.).]

Dimensions of Surrogate Lighter: (Include all dimensions of the component, not just the overall length and width.)

Measurement Methodology: (The CPSC requests that you identify equipment used and provide photographs of how the components are measured. Include a detailed description of the measurement protocol.)

Operating Instructions for Surrogate Lighter:

Minimum Specified Force and Displacement of Production Units for all Components that May Affect Child Resistance:

Check List and Notes:

- Email confirmation to Lori Dixon (LDixon@GLM.com) that pre-test force measurements have been taken for the surrogates that will be used for the child resistant protocol testing. Six surrogates are needed; however, we recommend sending seven or eight in case something happens to one of the units and it cannot be repaired. IN SOME CASES, a replacement surrogate can used.
- Be sure to **permanently** number the surrogate units. (The CPSC requires that the surrogates be numbered 1 – 6. If that is not done, you will need to supply an explanation as to why that was not done.)
- Each surrogate must be the same as the production unit except that it does not contain fuel. It must make an audible or visible signal when it has been activated. Surrogates must be the same size and color as the production unit.
- If during the test any surrogate becomes broken or requires any type of repair, GLM will return the surrogate to the client. The client must include a detailed report of that repair. If the repair could possibly impact the force measurements, new force measurements are required before that surrogate is put back into testing. Repairs are required unless the surrogate is broken beyond repair.
- After the testing is complete, GLM will return the surrogates for final force measurements.

With the report submission, the CPSC requests the following:

- The six surrogate lighters (following the completion of post-test measurements)
- 2 – 3 samples of the production lighter

Be sure that all of this information is included in the report binder that is sent to the CPSC.

- Detailed engineering drawings with **all** dimensions and manufacturing tolerances
- All model numbers associated with the lighter for all importers/customers (firm's model number and any known model number/names for multipacks and private labels)
- Pre- and post-test measurements (force and displacement) for all components that may affect child resistance, **include photos and description of method and equipment used to take measurements**
- Durability test data to demonstrate that the CR mechanism will last the life of the lighter (enough samples should be tested and the frequency should exceed the lighter's useful life, times 1.5 to 2)
- Explanation of how to read the labeling code, 1210.12(c)/1212.12(c), and where it is located on the lighter
- Pictures of a production lighter (front, back, top, bottom, close-up of the CR mechanism at different angles, markings, etc.)
- All information requested in this document
- All information in the binder provided by GLM