

CPSC/OFC. OF THE SECRETARY
FIREWORKS DIVISION
MAY 19 1998 A 10:26

LOG OF MEETING

CPSC 3 (b)(1) Cleared
3/16/98
AS Mfrs/PrvtLbrs of
Products Identified
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Comments Processed, _____

SUBJECT: Develop a testing plan for specific categories of fireworks, and the provision that they will be tested for.

DATE OF MEETING: December 12, 1997

DATE OF LOG ENTRY: March 16, 1998

PERSON SUBMITTING LOG: Neal G. Gasser, Chemist, Division of Chemistry

LOCATION: 7316 Wisconsin Ave., Suite 214, Bethesda, MD, 20814

CPSC ATTENDEE: Neal G. Gasser, Chemist, Division of Chemistry

NON-CPSC ATTENDEE(S):

- John Rogers - Executive Director, AFSL
- Dale Miller - Independent Consultant for AFSL

SUMMARY OF MEETING:

Meeting Topics:

- Began discussing how roman candles are manufactured. Determined it was necessary to find out the average depth of the candle spike, thickness of clay plug, and the length of the void space between the spike and clay plug, the type of spikes used (wood or plastic), and how the spikes are attached. Based on this information, the sub-committee would be able to advise the U.S. manufacturer making the special roman candles for this set of tests, how to make the candles.
- John Rogers will obtain needed information from Andrew Tang (Inchcape Testing Services) from the AFSL Quality Improvement Program.
- Sub-committee determined that the clay plugs would be varied in thickness (2", 1", 0.5") to increase the likelihood that a blowout/backfire would occur and expell the spike, along with the possibility of overloading the last expelling charge to increase the likelihood that a blowout/backfire.



- The sub-committee examined the AFSL Quality Improvement Program to determine which roman candles were most likely to blowout/backfire. John Rogers will acquire three brands of roman candles that will possibly exhibit blowout/backfire. These candles will represent what is currently available to the consumer. Twenty candles of each brand will be tested.