



**REESE
PHARMACEUTICAL
COMPANY**
Serving Pharmacies Since 1907

Reese Pharmaceutical Company Available Compliance Information

- ❖ 38 mm F.G. Closure
- ❖ 20-400 Clic Loc Child Resistant Closure



TESTING
NO. 1457

November 7, 2000

Mark Branson
Rexam Closures
3245 Kansas Road
Evansville, IN 47711-9611
USA

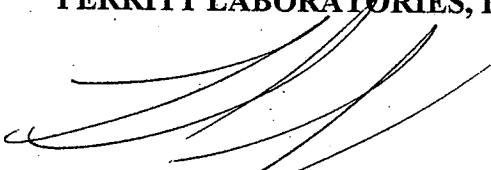
Dear Mr. Branson,

Herein is our report titled "Evaluation of the 38mm F.G. Closure on a 120cc HDPE Round Bottle for Child-Resistant Effectiveness for Rexam Closures."

The test unit was evaluated using the Consumer Product Safety Commission Protocol and Standards. The study indicates the test unit fulfills the requirements for Child-Resistant Effectiveness as per the current Code of Federal Regulations (C.F.R.) Title 16, Part 1700.

After you have had an opportunity to read the report, I shall be pleased to review it with you.

Sincerely,
PERRITT LABORATORIES, INC.



Richard A. Ward
Vice President
Consumer Product Testing

I. SUMMARY

Report to: Mark Branson
Rexam Closures
3245 Kansas Road
Evansville, IN 47711-9611
USA

Date: November 7, 2000

Samples of: 38mm F.G. Closure on a 120cc HDPE Round Bottle

Contract No.: 1110-157

Samples Received: September 6, 2000

Submitted by: Mark Branson

Objective

The client submitted the above sample for a study to determine if the unit is in compliance with the Consumer Product Safety Commission's (CPSC) current protocol and standards for child-resistant effectiveness as per the Code of Federal Regulations (C.F.R.) Title 16, Part 1700.

Procedures

The protocol for the evaluation of packaging for child-resistance (current C.F.R. Title 16, Part 1700) was strictly adhered to for this study.

Panelists

In the course of this study 50 children (42 to 51 months of age) were employed. Seniors (50 to 70 year-olds, 70% female) were not employed, though their inclusion is stipulated in the regulation.

Results

Results of the study indicate that **the 38mm F.G. Closure on a 120cc HDPE Round Bottle fulfills the standards for child-resistant effectiveness** according to current C.F.R. Title 16, Part 1700.

Rexam Closures
1110-157
November 7, 2000

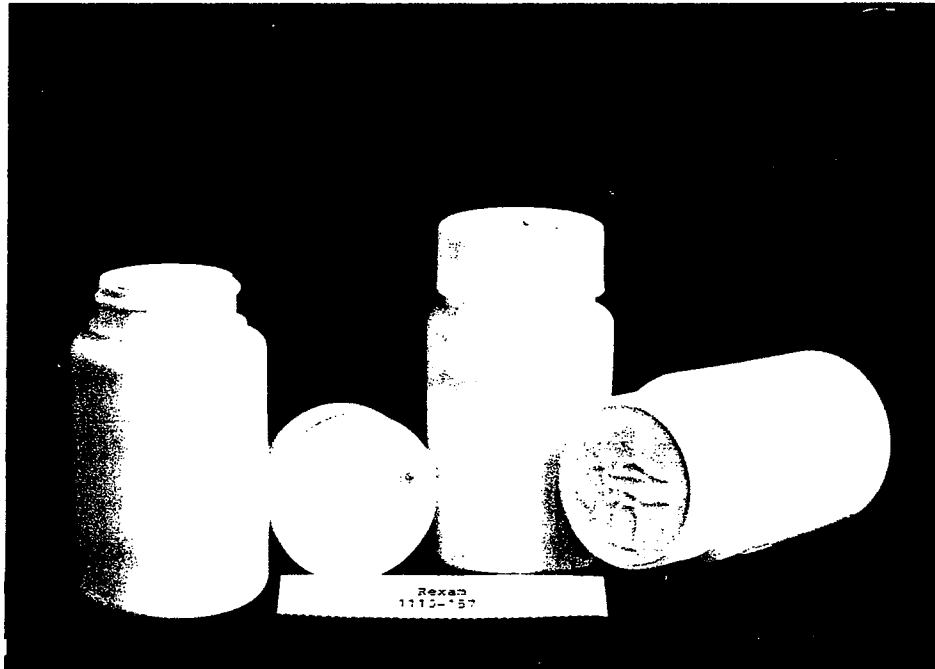


Figure 1
38mm F.G. Closure on a 120cc HDPE Round Bottle

V. RESULTS AND DISCUSSION

Results of this study appear in the tables section of the report. These tables represent a compilation of all data obtained during the study. For clarity in presentation and discussion of this information, the following features will be used as the major points of discussion:

- * Child-resistant effectiveness
- * Meeting current Code of Federal Regulations Title 16, Part 1700.

Child-resistant effectiveness

Results of the package evaluation by the 50 child panelists appear in Table 1 of the report. From this table it will be noted that 2 children were successful in opening the packaging before demonstration and 2 children were successful in opening the packaging following a demonstration for a total of 4 successful child panelists. This represents a child-resistant effectiveness of 92%.

Meeting current C.F.R. Title 16, Part 1700.

The 38mm F.G. Closure on a 120cc HDPE Round Bottle fulfills the standards for child-resistant effectiveness according to current C.F.R. Title 16, Part 1700.

Rexam Closures
 1110-157
 November 7, 2000

**EVALUATION OF THE 38MM F.G. CLOSURE ON A 120CC HDPE ROUND BOTTLE
 AS A CHILD-RESISTANT PACKAGE FOR REXAM CLOSURES.**

Table 1. Package opening test evaluated by children 42 to 51 months of age for child resistant effectiveness.

Age in Months	Successful Panelists								
				Before Demonstration		After Demonstration			
	Males	Females	Total	Males	Females	Males	Females	Total	
42-44	7	8	15	0	0	0	0	0	
45-48	10	10	20	0	1	1	1	3	
49-51	8	7	15	1	0	0	0	1	
Totals	25	25	50	1	1	1	1	4	

CHILD-RESISTANT EFFECTIVENESS = 92.00%

Certificate of Completion

C.P.S.C. - Child Protocol Testing

awarded to

Owens-Illinois Closures Inc.

THIS IS TO CERTIFY THAT, the Owens-Illinois Closure, Inc. 20-400 Clic-Loc Child-Resistant Closure meets the child resistant criteria set forth by the C.P.S.C. and recorded in the Federal Register Section 16 CFR part 1700.15 and 1700.20 dated July 21, 1995

Date of Completion:

December 15, 2006

Signed:

David S. Hipple

David S. Hipple

Test Number:

OI-P 06-09

Mark D. Perkins

Mark D. Perkins

Package Description:

20-400 clic-loc closures



3125 Nolt Road
Lancaster, PA 17601



“We Point Toward Product Solutions”

50 Unit Child Protocol Test

Conducted for:

Owens-Illinois Closures Inc.

Test No.:

OI-P 06-09

Sample Type

20-400 Clic-Loc Closure

Bird Dog Marketing Group, LLC

3125 Nolt Road

Lancaster, PA 17601

(717) 581-6602

(717) 581-1762 Fax



Test Objective & Procedures Report

Bird Dog Marketing Group, LLC
Test Id: OI-P 06-09

Report to: Owens-Illinois Closures Inc.
One Michael Owens Way
Attention: Accounts Payable
Perrysburg, OH 43551-2999
20-400 Clic-Loc Closure

OBJECTIVE

Owens-Illinois Closure Inc. submitted the following test for evaluation by Bird Dog Marketing Group, LLC to see if it meets the child-resistant criteria set forth by the C.P.S.C. for poison prevention packaging.

PROCEDURE

This test follows the guidelines set forth by the C.P.S.C. and published in the Federal Register on July 21, 1995 pgs. 37710-37744 re 16 CFR part 1700.15 and 1700.20

DISCLAIMER

Bird Dog Marketing Group, LLC (Lancaster, PA. USA) is an independent marketing research firm specializing in field testing of child-resistant packages. It is to be noted that to the best of our knowledge, there are no commercial and or conflicts of interest between Bird Dog Marketing Group, LLC and Owens-Illinois Closure Inc. at the time of this study. The results of this protocol are based only on the data collected and the guidelines set forth by the C.P.S.C., and published in the Federal Register on July 21, 1995 pgs. 37710-37744 re 16 CFR part 1700.15 and 1700.20

Report to: Owens-Illinois Closures Inc.
One Michael Owens Way
Attention: Accounts Payable
Perrysburg, OH 43551-2999
20-400 Clic-Loc Closure

Picture





Test Results and Discussion Report

Bird Dog Marketing Group, LLC

Test Id: OI-P 06-09

OI-P-Owens-Illinois Closures Inc.

RESULTS AND DISCUSSION

RESULTS:

Test OI-P 06-09 consisted of fifty (50) children (42-51 months) being tested in six (6) sites from December 11, 2006 through December 15, 2006. This test is the child (42-51 months of age) portion of a full child protocol as per the final rule set forth by the C.P.S.C. dated July 21, 1995 pgs. 37710-37744 re 16 CFR part 1700.15 and 1700.20

The results of the study are as follows:

- 1) A child failure is defined as any child who opens the package
- 2) NONE (0) of the children were able to open their packages before demonstration
- 3) NONE (0) of the children were able to open their packages after demonstration
- 4) Based on the results of this test, the submitted package meets the criteria set forth by the C.P.S.C., as published in the Federal Register dated July 21, 1995 pgs. 37710-37744 re 16 CFR part 1700.15 and 1700.20

TEST PACKAGE DESCRIPTION:

The package used for test OI-P 06-09 was an Owen - Illinois 20-400 Clic-Loc Child-Resistant Closure on a 1/2 oz amber HDPE bottle.

The composition of the package and its component information is as follows:

CLOSURE (20-400 Clic-Loc):

Out Shell Resin: Chevron Phillips Marlex 9018 HDPE

Colorant: PolyOne ZB-091900NMBE White

Inner Shell Resin: Phillips Sumika Marlex HLN-120-01 PP

Liner: Tri-Seal 0.040" F-217.

BOTTLE (1/2 oz amber HDPE bottle):

Mold: O-I Mold 5369

The instructions on the closure explaining how to open and resecure the package read: "WHILE PUSHING DOWN TURN - CLOSE TIGHTLY". A picture of the test package appears in Figure I.



Test Results and Discussion Report

Bird Dog Marketing Group, LLC

Test Id: OI-P 06-09

OI-P-Owens-Illinois Closures Inc.

PACKAGE PREPARATION:

- 1) All of the packages were set at 12 torque-in.-lbs. by Bird Dog Marketing Group, LLC
 - 2) The packages were left to sit for 72 hours to compression set the liner.
 - 3) The testing agency numbered all of the packages (1-50) to track the testing results.
 - 4) All of the closures were removed, and re-applied at 12 t.i.p. using a torque meter prior to presenting them to the children for testing.
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Submitted by: David Hipple

David S Hipple