

# 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**

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### 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

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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*