Test Report No. : WOAH00090021
Report Date : November 18, 2015

TEST REPORT

Applicant: **Mariak Industries, Inc.**
575 West Manville Street
Compton, CA 90220
Attention: Jennifer Serhan
E-Mail: jserhan@mariak.com

Product Name : Clutch Roller Shade
Country of Origin : USA
Age Grading : N/A
Supplier : Mariak Industries, Inc.
Sample received date : November 6, 2015
Date of testing ended : November 18, 2015

OVERALL CONCLUSION:

Standard	Result
1. WCMA -Best For Kids Program	1. Does Meet

For and on behalf of
Intertek Products Group North America:

Migdalia Delgado
Operations Manager
Toys and Hardlines Testing Laboratories

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AT-1348

TEST RESULTS:

Manufacturer: Mariak Industries, Inc.

Model Number: Not Provided

Overall Dimensions of the Window Covering: W: 33.3", H: 53.5", D: 2.6"

Evaluation	Citation	Requirement / Limit	Result	Rating
Initial Testing/ Requirements	Visual Check/ ANSI/WMCA A100.1 Section 4.4	The window covering product shall meet one of the following requirements: -Shall not have any operating cords, if product contains an operating cord no further testing is required and product is not eligible for the WCMA 'Best for Kids' Program **Test 1:** It shall have no inner cords. **Test 2:** The inner cords shall not be accessible in accordance with Appendix C of the current version of ANSI/WCMA A100.1. (see below) **Test 3:** If accessible inner cords are present in products with no operating cords, the accessible inner cords cannot create a hazardous loop in accordance with Appendix D of the current version of ANSI/WCMA A100.1, or in any way create a potential wrap around hazard. (see below)	Cord is provided.	Does not meet

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Accessible Cord, Appendix C	ANSI/WMCA A100.1	-Appendix C describes test requirements for determining the accessibility of inner cords on the front, rear, bottom, or sides of properly installed window covering product -The inner cords on a window covering product that are within 12 in (31 cm) of the bottom of the head rail are considered not accessible. -Test method is determined by the window covering construction type as described in C2.1 of ANSI/WMCA A100.1 **Shade Mounting and Preparation** -Hang the window covering on a mounting rail using brackets according to manufacturer's installation instructions. The shade is to be tested in the fully lowered position -Allow enough room around the mounted window covering to perform the accessible cord test **Inner Cord Test with Inner Cord Accessibility Probe** -Determine if the window covering is to be tested in the "Open" or "Closed" construction test procedure. -Open Construction window covering products have one of the following: -Inner cords that are exposed from the front, rear, bottom, or sides of the window covering -Cords that are enclosed between layers of the window covering without segmented sections allowing access to any portion of the interior from any opening -Closed Construction has inner cords that are enclosed within segmented layers of the product. Access is limited to only that section of the cord in an individual segment. -**Open Construction**: Determine if any opening in the window covering, more than 12 in (31 cm) below the bottom of the head rail, allows touching of the inner cords with the inner cord accessibility probe -If the inner cord accessibility probe can touch any cords before reaching the 2 in (51 mm) diameter section the cords are considered accessible and must be tested to Appendix D: Hazardous Loop Test Procedure -If the 2 in (51 mm) diameter section of the inner cord accessibility probe can be inserted into any opening then the cords are considered accessible and must be tested in Appendix D: Hazardous Loop Test Procedure -**Closed Construction:** Determine if any opening in the window covering, more than 12 in (31 cm) below the bottom of the head rail, allows touching of the inner cords with the inner cord accessibility probe -If the inner cord accessibility probe can touch any cords before reaching the 4 in (102mm) diameter section the cords are considered accessible and must be tested to the Appendix D: Hazardous Loop Test Procedure -If the 4 in (102 mm) diameter section of the inner cord accessibility probe can be inserted into any opening then the cords are considered accessible and must be tested to Appendix D: Hazardous Loop Test Procedure	Cord is accessible.	Does not meet

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		- **Cord Shroud Accessibility Test with Cord Shroud Accessibility Probe**- Any inner cords with cord shrouds that have been deemed accessible by the tests performed in Section C2 of ANSI/WMCA A100.1 will be tested to determine if the cord shroud and the inner cord(s) shall be tested as an assembly or individually in Appendix D: Hazardous Loop Test Procedure -If the cord shroud accessibility probe cannot be inserted between the cord shroud and inner lift cord(s) without intricate manipulation, the cords will be tested as an assembly in accordance with Appendix D: Hazardous Loop Test Procedure -If the cord shroud accessibility probe can be inserted between the cord shroud and inner lift cord(s) without intricate manipulation, both are deemed accessible and will be tested individually in accordance with Appendix D: Hazardous Loop Test Procedure	Cord is accessible.	Does not meet
Hazardous Loop Test – Appendix D	ANSI/WMCA A100.1	Appendix D describes test requirements for the accessible inner cords of all window covering types and the potentially hazardous loop or opening that may be created between an inner cord and the window covering material by manipulation of the inner cord and/or window covering material. If a hazardous loop is formed following the Appendix D: Hazardous Loop Test Procedure, the product is non-compliant -**Window Covering Mount and Preparation** – Hang the window covering on a mounting rail using the brackets according to manufacturer's installation instructions -It is recommended that enough room is allowed all around the mounted window covering for the test fixture and cord-pull allowance -It is recommended that allowances are made for various heights of either window covering or test fixture and tests at multiple vertical positions on the window covering, either by raising or lowering the entire window covering, or by adjusting the level of the test fixture -All inner cords which are accessible from the front, sides, bottom, or rear of the window covering and are 12 in (31 cm) or more below the bottom of the head rail, are subject to these tests -If the openings between the accessible inner cord and the window covering material are similar in design, the tests shall be conducted on a minimum of one inner cord near the side edge of the window covering and one inner cord towards the horizontal center of the window covering for each configuration tested. -If the openings between the accessible inner cord and the window covering material are similar in design, the tests shall be conducted on a minimum of the bottom most row of openings and the middle row of openings. -At each position on the window covering product where cords are tested, all combinations of cords and combined loops shall be tested separately -Test Procedure D2 shall be performed with the window covering in the fully lowered position	Cord does not create a hazardous loop.	Meets

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		-If the sample contains a top-down, bottom up operation feature, Procedure D2 shall be performed with the bottom rail fully lowered and the middle rail up against the headrail (window covering fully covering the window) -Loops that are formed by excessive or intricate manipulations, including damaging the product or using tools, of the accessible cord shall be exempt from testing -**Creation of a Hazardous Loop** -Orient the hazardous loop test stand assembly such that the hooks on the force gauge arm subassembly will be able to pull the accessible inner cord to form or enlarge a loop. The direction of pull will be perpendicular to surface of the window covering product, and away from the surface -If the inner cord is only accessible from the side of the window covering, then the fixture shall be oriented such that it will apply the pull force perpendicular to that side surface of the window covering (or parallel to the front of the window covering). If the inner cord is accessible from the back or front of the window covering, then the fixture shall be oriented such that the pull force is applied perpendicular to that surface of the window covering. Likewise, if the inner cord is only accessible from the bottom of the window covering, the pull force should be applied in a vertical direction, perpendicular to the bottom surface. The restraining arm shall be placed against the window covering. -If the same inner cord section is accessible from two or more directions, testing shall be conducted by pulling the inner cord in the direction that would result in the largest loop opening. It may be necessary to conduct the evaluation more than once to determine the direction that would result in the largest loop opening on certain window covering designs. -Place the hazardous loop test stand assembly at the surface of the window covering and adjust the vertical height so that the restraining	Cord does not create a hazardous loop.	Meets

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		arm aligns with the opening to be tested. -If testing a Roman or roll up style blind, the restraining arm shall be placed in between the inner cord and the window covering material at the opening to be tested. -When testing all other styles of window coverings, the restraining arm shall be placed against both the window covering material and the inner cord, just slightly above the opening to be tested. -Ensure the scale measuring distance traveled on the force gauge arm subassembly is set to zero. Zero the force gauge and place the force gauge in continuous read-out mode. Loop the accessible cord onto both hooks of the force gauge arm subassembly -While looping the cord onto both hooks, the force exerted on the cord or the force registered on the force gauge may exceed 5 lb (22.2 N) to obtain the required set-up configuration -The coating on the hooks is Tygon tubing with a durometer 69A that is intended to simulate human skin. In the event that the tubing becomes worn or damaged, replace it with new tubing. -Over a time period of 5 seconds +/- 1 second, gently pull the horizontal arm of the force gauge arm subassembly away from the window covering to create an open loop until the force gauge indicates a tension force of 5 lb ±0.25 lb (22.2 N±1.1 N) or the scale indicates a pulled distance of 25 in ±0.25 in (63.5 cm±0.6 cm), whichever comes first. Lock the horizontal arm in place using the brake assembly. -Using the head probe determine whether the head probe can pass through the opening created between the hooks and the restraining arm with an insertion force of 10 lb (44.5 N) or less, perpendicular to the plane of the opening -If the head probe cannot pass through the loop under the conditions above, the opening is not a hazardous loop -If the head probe can pass through the loop under the conditions above, the loop is considered a hazardous loop		

Picture of Cord

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Pictures As Received

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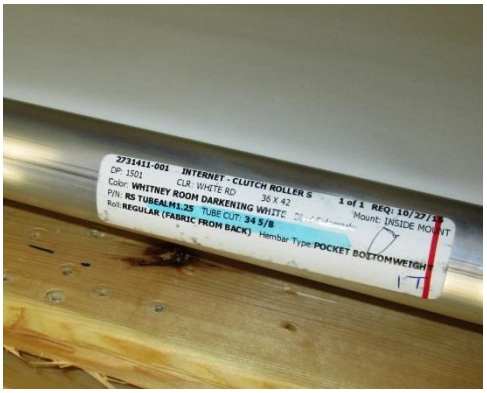

If you need assistance in interpreting these results or if you have any questions, please feel free to call Customer Service Department

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