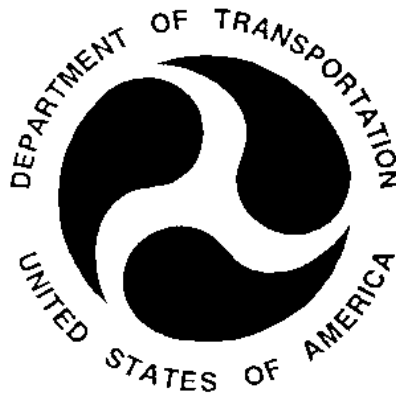


**Report No.
3151176-43**

**CHILD RESTRAINT SYSTEM
COMPONENT TESTS
FMVSS 213**

**Model No.
Evenflo Maestro**

**SGS North America Inc.
Consumer Testing Services
291 Fairfield Avenue
Fairfield, NJ 07004**



August 27, 2013

FINAL REPORT

213-SGS-13-43


PREPARED FOR

**U.S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
ENFORCEMENT
OFFICE OF VEHICLE SAFETY COMPLIANCE
1200 NEW JERSEY AVE, SE (ROOM W45-304)
WASHINGTON, D.C. 20590**

This publication is distributed by the U.S. Department of Transportation, National Highway Traffic Administration, in the interest of information exchange. The opinions, findings and conclusions expressed in this publication are those of the author(s) and not necessarily those of the Department of Transportation or the National Highway Traffic Safety Administration. The United States Government assumes no liability for its contents or use thereof. If trade or manufacturers' names or products are mentioned, it is only because they are considered essential to the object of the publication and should not be construed as an endorsement. The United States Government does not endorse products or manufacturers.

Report No.: 3151176-43

Prepared by: SGS North America Inc.

Approved by: 
Frank Savino

Date: August 27, 2013

Report Accepted by:

**Contract Technical Manager, O.V.S.C.
Office of Vehicle Safety Compliance**



Accepted By: _____

Acceptance Date: August 27, 2013

| | | | |
|--|---|---|-----------|
| 1. Report No. 213-SGS-13-43 | 2. Govt. Accession No. | 3. Recipient's Catalog No. | |
| 4. Title and Sub-Title CHILD RESTRAINT SYSTEM, COMPONENT PARTS, Model No.: Evenflo Maestro | | 5. Report Date: August 27, 2013 | |
| 6. Performing Organization Code SGS-213-13-43 | | 7. Author: Frank Savino, Project Manager | |
| 8. Performing Organization Report No. SGS-DOT-213-13-43 | | 9. Performing Organization Name and Address: SGS North America Inc. 291 Fairfield Avenue Fairfield, NJ 07004 | |
| 10. Work Unit No. | | 11. Order Number DTNH22-12-D-00263 | |
| 12. Sponsoring Agency Name and Address: U.S. DEPARTMENT OF TRANSPORTATION NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION ENFORCEMENT OFFICE OF VEHICLE SAFETY COMPLIANCE 1200 NEW JERSEY AVE, SE (ROOM W45-304) WASHINGTON, D.C. 20590 | | 13. Type of report and Period Covered FINAL TEST REPORT August 9-26, 2013 | |
| 14. Sponsoring Agency Code: NVS-220 | | 15. | |
| 16. Abstract THIS REPORT PRESENTS THE RESULTS OF TESTS PERFORMED IN ACCORDANCE WITH FEDERAL MOTOR VEHICLE SAFETY STANDARD NO. 213 ON CHILD RESTRAINT SYSTEM COMPONENT PARTS. MODEL NUMBER: Evenflo Maestro ALL TESTS WERE SATISFACTORILY COMPLETED. | | | |
| 17. Key Words FMVSS No. 213 Child Restraint System Safety Engineering | 18. Distribution Statement Copies of this report are available from: National Highway Traffic Safety Administration Technical Information Services, Room 5111 (NPO-411) 1200 New Jersey Avenue, SE (Room E12-100) Washington, DC 20590 email: tis@nhtsa.dot.gov Telephone No. 202-493-2833 | | |
| 19. Security Classif. (of this report) Unclassified | 20. Security Classif. (of this Page) Unclassified | 21. No. of Pages 41 | 22. Price |

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SECTION 1

PURPOSE AND TEST PROCEDURES

PURPOSE AND TEST PROCEDURES

Purpose: The purpose of this report was to determine if the production child restraint components parts supplied by the National Highway Traffic Safety Administration met the requirements of Federal Motor Vehicle Safety Standard Number 213 - "Child Restraint System".

Test Procedures: The "SGS North America Inc. Laboratories Test Procedure for FMVSS No. 213" dated July 2012 submitted and approved by the office of Vehicle Safety Compliance National Highway Traffic Safety Administration contains the specific procedures used to conduct this test. This procedure shall not be interpreted to be in conflict with any portion of FMVSS No. 213 and amendments in effect as noted in the applicable order.

SECTION 2

INSPECTION DATA AND TEST DATA

INSPECTION AND TEST DATA
FMVSS NO. 213 - CHILD RESTRAINT SYSTEMS

Report No.: 3151176-43

Child Restraint System Identification

Manufacturer:

Name: Evenflo Co.

Address: 1801 Commerce Dr.
Piqua, OH 45356

Model: Maestro

Technicians: Mark Ostrovsky and John Roycraft

Project Manager: Frank Savino

WEBBING PERFORMANCE TESTS (a213-5.4.1)

Report No.: 3151176-43

Test Date: August 26, 2013

Laboratory Ambient Conditions During Testing

Temperature: 73 ° F

Relative Humidity: 50 %

Webbing Usage on Restraint: Harness

| <u>Test</u> | <u>Compliance Requirement</u> | <u>Test Result</u> | <u>Pass/Fail</u> |
|---|---|---|-------------------------|
| Non-Degraded Webbing (FMVSS 209, S5.1 (b)) | New webbing breaking strength, 15,000 N (webbing used to secure CRS to vehicle) or 11,000 N (webbing used to secure child within CRS) | 1. 18,900 2. 19,200 3. 19,100 Median: 19,100 | Pass |
| Resistance to Abrasion (FMVSS 209, S4.2(d) & S5.1(d)) Abrasion Cycles Performed 2500 (2500 Required) | Median breaking strength, Newtons (75% of median baseline strength) | 1. 19,500 2. 18,900 3. 19,000 Median: 19,000 Strength Retained: 99.5% | Pass |
| Resistance to Buckle Abrasion (FMVSS 209, S5.3(c)) Abrasion cycles Performed 2500 (2500 Required) | Median breaking strength, Newtons (75% of median baseline strength) | 1. N/A 2. N/A 3. N/A Median: N/A | N/A |

WEBBING PERFORMANCE TESTS (a213-5.4.1) (Continued)**Report No.:** 3151176-43**Test Date:** August 26, 2013

| <u>Test</u> | <u>Compliance Requirement</u> | <u>Test Result</u> | <u>Pass/Fail</u> |
|--|--|--|-------------------------|
| Resistance to Light (FMVSS 209, S4.2 (e) & S5.1(e)) Exposure Time 100 Hr. (100 Hours Required) | Median breaking strength, Newtons (60% of median baseline strength) | 1. 18,800 2. 18,600 3. 19,000 Median: 18,800 Strength Retained: 98.4% | Pass |
| | Color Retention >= No. 2 on the Geometric Gray Scale | 1. 5 2. 5 3. 5 | Pass |
| Resistance to Micro- Organisms (FMVSS 209, S4.2 (f), S5.1 (f)) | Median breaking strength, Newtons (85% of median baseline strength) | 1. N/A 2. N/A 3. N/A Median: N/A | N/A |
| Width Requirement (FMVSS 213, S5.4.1.3) | Width >= 38 mm) If webbing contacts the test dummy torso | 1. 39.0 2. 39.0 3. 39.0 | Pass |

Remarks:**Technicians:** John Roycraft**Project Manager:** Frank Savino

WEBBING PERFORMANCE TESTS (a213-5.4.1)**Report No.:** 3151176-43**Test Date:** August 26, 2013**Laboratory Ambient Conditions During Testing**

Temperature: 73 ° F

Relative Humidity: 50 %

Webbing Usage on Restraint: Adjuster

| <u>Test</u> | <u>Compliance Requirement</u> | <u>Test Result</u> | <u>Pass/Fail</u> |
|---|---|---|-------------------------|
| Non-Degraded Webbing (FMVSS 209, S5.1 (b)) | New webbing breaking strength, 15,000 N (webbing used to secure CRS to vehicle) or 11,000 N (webbing used to secure child within CRS) | 1. 16,100 2. 16,300 3. 16,200 Median: 16,200 | Pass |
| Resistance to Abrasion (FMVSS 209, S4.2(d) & S5.1(d)) Abrasion Cycles Performed 2500 (2500 Required) | Median breaking strength, Newtons (75% of median baseline strength) | 1. 16,000 2. 16,200 3. 15,800 Median: 16,000 Strength Retained: 98.8% | Pass |
| Resistance to Buckle Abrasion (FMVSS 209, S5.3(c)) Abrasion cycles Performed 2500 (2500 Required) | Median breaking strength, Newtons (75% of median baseline strength) | 1. N/A 2. N/A 3. N/A Median: N/A | N/A |

WEBBING PERFORMANCE TESTS (a213-5.4.1) (Continued)**Report No.:** 3151176-43**Test Date:** August 26, 2013

| <u>Test</u> | <u>Compliance Requirement</u> | <u>Test Result</u> | <u>Pass/Fail</u> |
|--|--|--|-------------------------|
| Resistance to Light (FMVSS 209, S4.2 (e) & S5.1(e)) Exposure Time 100 Hr. (100 Hours Required) | Median breaking strength, Newtons (60% of median baseline strength) | 1. 15,700 2. 16,000 3. 16,200 Median: 16,000 Strength Retained: 98.8% | Pass |
| | Color Retention >= No. 2 on the Geometric Gray Scale | 1. 5 2. 5 3. 5 | Pass |
| Resistance to Micro- Organisms (FMVSS 209, S4.2 (f), S5.1 (f)) | Median breaking strength, Newtons (85% of median baseline strength) | 1. N/A 2. N/A 3. N/A Median: N/A | N/A |
| Width Requirement (FMVSS 213, S5.4.1.3) | Width >= 38 mm) If webbing contacts the test dummy torso | 1. 26.0 2. 26.0 3. 26.0 | N/A |

Remarks:**Technicians:** John Roycraft**Project Manager:** Frank Savino

WEBBING PERFORMANCE TESTS (a213-5.4.1)**Report No.:** 3151176-43**Test Date:** August 23, 2013**Laboratory Ambient Conditions During Testing**

Temperature: 73 ° F

Relative Humidity: 50 %

Webbing Usage on Restraint: Latch

| <u>Test</u> | <u>Compliance Requirement</u> | <u>Test Result</u> | <u>Pass/Fail</u> |
|---|---|--|-------------------------|
| Non-Degraded Webbing (FMVSS 209, S5.1 (b)) | New webbing breaking strength, 15,000 N (webbing used to secure CRS to vehicle) or 11,000 N (webbing used to secure child within CRS) | 1. 19,500 2. 19,300 3. 18,800 Median: 19,300 | Pass |
| Resistance to Abrasion (FMVSS 209, S4.2(d) & S5.1(d)) Abrasion Cycles Performed 2500 (2500 Required) | Median breaking strength, Newtons (75% of median baseline strength) | 1. 19,300 2. 19,300 3. 19,300 Median: 19,300 Strength Retained: 100% | Pass |
| Resistance to Buckle Abrasion (FMVSS 209, S5.3(c)) Abrasion cycles Performed 2500 (2500 Required) | Median breaking strength, Newtons (75% of median baseline strength) | 1. N/A 2. N/A 3. N/A Median: N/A | N/A |

WEBBING PERFORMANCE TESTS (a213-5.4.1) (Continued)**Report No.:** 3151176-43**Test Date:** August 23, 2013

| <u>Test</u> | <u>Compliance Requirement</u> | <u>Test Result</u> | <u>Pass/Fail</u> |
|---|--|--|-------------------------|
| Resistance to Light (FMVSS 209, S4.2 (e) & S5.1(e)) Exposure Time 100 Hr. (100 Hours Required) | Median breaking strength, Newtons (60% of median baseline strength) | 1. 18,400 2. 18,400 3. 17,900 Median: 18,400 Strength Retained: 95.3% | Pass |
| | Color Retention >= No. 2 on the Geometric Gray Scale | 1. 5 2. 5 3. 5 | Pass |
| Resistance to Micro- Organisms (FMVSS 209, S4.2 (f), S5.1 (f)) | Median breaking strength, Newtons (85% of median baseline strength) | 1. N/A 2. N/A 3. N/A Median: N/A | N/A |
| Width Requirement (FMVSS 213, S5.4.1.3) | Width >= 38 mm) If webbing contacts the test dummy torso | 1. 39.0 2. 39.0 3. 39.0 | N/A |

Remarks:**Technicians:** John Roycraft**Project Manager:** Frank Savino

WEBBING PERFORMANCE TESTS (a213-5.4.1)**Report No.:** 3151176-43**Test Date:** August 23, 2013**Laboratory Ambient Conditions During Testing**

Temperature: 73 ° F

Relative Humidity: 50 %

Webbing Usage on Restraint: Tether

| <u>Test</u> | <u>Compliance Requirement</u> | <u>Test Result</u> | <u>Pass/Fail</u> |
|---|---|---|-------------------------|
| Non-Degraded Webbing (FMVSS 209, S5.1 (b)) | New webbing breaking strength, 15,000 N (webbing used to secure CRS to vehicle) or 11,000 N (webbing used to secure child within CRS) | 1. 19,900 2. 18,900 3. 19,900 Median: 19,900 | Pass |
| Resistance to Abrasion (FMVSS 209, S4.2(d) & S5.1(d)) Abrasion Cycles Performed 2500 (2500 Required) | Median breaking strength, Newtons (75% of median baseline strength) | 1. 18,700 2. 18,800 3. 17,600 Median: 18,700 Strength Retained: % | Pass |
| Resistance to Buckle Abrasion (FMVSS 209, S5.3(c)) Abrasion cycles Performed 2500 (2500 Required) | Median breaking strength, Newtons (75% of median baseline strength) | 1. N/A 2. N/A 3. N/A Median: N/A | N/A |

WEBBING PERFORMANCE TESTS (a213-5.4.1) (Continued)**Report No.:** 3151176-43**Test Date:** August 23, 2013

| <u>Test</u> | <u>Compliance Requirement</u> | <u>Test Result</u> | <u>Pass/Fail</u> |
|--|--|--|-------------------------|
| Resistance to Light (FMVSS 209, S4.2 (e) & S5.1(e)) Exposure Time 100 Hr. (100 Hours Required) | Median breaking strength, Newtons (60% of median baseline strength) | 1. 19,000 2. 19,400 3. 18,500 Median: 19,000 Strength Retained: 95.5% | Pass |
| | Color Retention >= No. 2 on the Geometric Gray Scale | 1. 5 2. 5 3. 5 | Pass |
| Resistance to Micro- Organisms (FMVSS 209, S4.2 (f), S5.1 (f)) | Median breaking strength, Newtons (85% of median baseline strength) | 1. N/A 2. N/A 3. N/A Median: N/A | N/A |
| Width Requirement (FMVSS 213, S5.4.1.3) | Width >= 38 mm) If webbing contacts the test dummy torso | 1. 39.0 2. 39.0 3. 39.0 | N/A |

Remarks:**Technicians:** John Roycraft**Project Manager:** Frank Savino

**BELT BUCKLE AND ADJUSTMENT HARDWARE
PERFORMANCE TESTS (S213-S5.4.2/S209-S4.3)**

Report No.: 3151176-43

Test Date: August 21, 2013

Item Code: Maestro

Laboratory Ambient Conditions During Testing

Temperature: 73 °F

Relative Humidity: 50 %

| Test | Compliance Requirement | Test Result | Pass/Fail |
|--|--------------------------|---------------------------------|------------------------------|
| Corrosion Resistance (FMVSS 209), (S4.3.(a) (2)) Exposure Time 24 Hours (24 Hours Required) Drying Time 1 Hour (1 Hour Required) | No Corrosion (NC) | 1. NC 2. NC 3. NC | Pass Pass Pass |
| Push Buttons S213; S5.4.3.5 (c) | Area \geq 0.6 sq. in.) | 0.84 | Pass |
| | Dimensions | 0.91 x 1.18 | N/A |
| Lever Release | Cylinder Insertion | N/A | N/A |
| Other | Two-finger Access | N/A | N/A |

**BELT BUCKLE AND ADJUSTMENT HARDWARE
PERFORMANCE TESTS (S213-S5.4.2/S209-S4.3) (Continued)**

Report No.: 3151176-43

| <u>Test</u> | <u>Compliance Requirement</u> | <u>Test Result</u> | <u>Pass/Fail</u> |
|---|--|---|--|
| Buckle Latch (FMVSS 209 S4.3(g)) Follows Corrosion Resistance Cycles 200 (200 Required) | No Functional Deterioration (NFD) | 1. NFD 2. NFD 3. NFD | 1. Pass 2. Pass 3. Pass |
| Buckle Latch (FMVSS 209 S4.3(g)) Corrosion Resistance metal to metal buckles Note: Cycle Button; Perform manual latching and unlatching prior to partial engagement test. Measurements truncated to one decimal place. | Partial Engagement Separation Force <5 lb. | Test Result As Received (Results in Pounds) | Test Result After Corrosion Resistance |
| | | Front | Reverse |
| | | <u>Sample 1</u> | <u>Sample 1</u> |
| | | 1) * | 1) N/A |
| | | 2) * | 2) N/A |
| | | 3) * | 3) N/A |
| | | <u>Sample 2</u> | <u>Sample 2</u> |
| | | 1) * | 1) N/A |
| | | 2) * | 2) N/A |
| | | 3) * | 3) N/A |
| | | <u>Sample 3</u> | <u>Sample 3</u> |
| | | 1) * | 1) N/A |
| | | 2) * | 2) N/A |
| | | 3) * | 3) N/A |

Remarks: *There is no partial latch – the buckles are self-ejecting
N/A = Not Applicable

Technicians: Mark Ostrovsky and John Roycraft

Project Manager: Frank Savino

**BELT BUCKLE AND ADJUSTMENT HARDWARE
PERFORMANCE TESTS (S213-S5.4.2/S209-S4.3)**

Report No.: 3151176-43

Test Date: August 21, 2013

Item Code: Maestro

Laboratory Ambient Conditions During Testing

Temperature: 73 °F

Relative Humidity: 50 %

| <u>Test</u> | <u>Compliance Requirement</u> | <u>Test Result</u> | <u>Pass/Fail</u> |
|--|-----------------------------------|------------------------------------|------------------------------|
| Temperature Resistance (FMVSS 209), (S4.3.(b)) Exposure Time 24 Hours (24 Hours Required) Drying Time 1 Hour (1 Hour Required) | No Functional Deterioration (NFD) | 1. NFD 2. NFD 3. NFD | Pass Pass Pass |
| Push Buttons S213; S5.4.3.5 (c) | Area \geq 0.6 sq. in.) | 0.84 | Pass |
| | Dimensions | 0.91 x 1.18 | N/A |
| Lever Release | Cylinder Insertion | N/A | N/A |
| Other | Two-finger Access | N/A | N/A |

**BELT BUCKLE AND ADJUSTMENT HARDWARE
PERFORMANCE TESTS (S213-S5.4.2/S209-S4.3) (Continued)**

Report No.: 3151176-43

| <u>Test</u> | <u>Compliance Requirement</u> | <u>Test Result</u> | | <u>Pass/Fail</u> | |
|--|--|---|-----------------|--|-----------------|
| Buckle Latch (FMVSS 209 S4.3(g)) Follows Temperature Resistance Cycles 200 (200 Required)) | No Functional Deterioration (NFD) | 1. | NFD | 1. | Pass |
| | | 2. | NFD | 2. | Pass |
| | | 3. | NFD | 3. | Pass |
| Buckle Latch (FMVSS 209 S4.3(g)) Temperature Resistance metal to metal buckles Note: Cycle Button; Perform manual latching and unlatching prior to partial engagement test. Measurements truncated to one decimal place. | Partial Engagement Separation Force <5 lb. | Test Result As Received (Results in Pounds) | | Test Result After Temperature Resistance | |
| | | Front | Reverse | Front | Reverse |
| | | <u>Sample 1</u> | <u>Sample 1</u> | <u>Sample 1</u> | <u>Sample 1</u> |
| | | 1) * | 1) N/A | 1) * | 1) N/A |
| | | 2) * | 2) N/A | 2) * | 2) N/A |
| | | 3) * | 3) N/A | 3) * | 3) N/A |
| | | <u>Sample 2</u> | <u>Sample 2</u> | <u>Sample 2</u> | <u>Sample 2</u> |
| | | 1) * | 1) N/A | 1) * | 1) N/A |
| | | 2) * | 2) N/A | 2) * | 2) N/A |
| | | 3) * | 3) N/A | 3) * | 3) N/A |
| | | <u>Sample 3</u> | <u>Sample 3</u> | <u>Sample 3</u> | <u>Sample 3</u> |
| | | 1) * | 1) N/A | 1) * | 1) N/A |
| | | 2) * | 2) N/A | 2) * | 2) N/A |
| | | 3) * | 3) N/A | 3) * | 3) N/A |

Remarks:

*There is no partial latch – the buckles are self-ejecting
N/A = Not Applicable

Technicians:

Mark Ostrovsky and John Roycraft

Project Manager:

Frank Savino

APPENDIX A

EQUIPMENT LIST AND CALIBRATION

**SGS NORTH AMERICA INC.
TEST EQUIPMENT**

| <u>NO.</u> | <u>ITEM</u> | <u>MANUFACTURER</u> | <u>MODEL</u> | <u>SERIAL NO.</u> | <u>CAL. PERIOD</u> | <u>DATE OF LAST CAL.</u> | <u>ACCURACY</u> | <u>REMARKS</u> |
|-------------------------------|---------------------------|---------------------|--------------|-------------------|--------------------|--------------------------|-----------------|-------------------------------------|
| <u>WEBBING TESTING</u> | | | | | | | | |
| 1 | Steel Ruler | Mitutoyo | 182-125 | --- | 1 Year | 7/13 | +/-0.01 inch | Webbing Width |
| 2 | Hex-Bar Abrader | U.S. Testing | --- | --- | 1Year* | 6/13 | --- | *Timer-Counter Assembly and Weights |
| 3 | Weatherometer | Atlas Electric Co. | CXW | CB-12295 | 1 Year* | 5/13 | +/-1% | *Temp. and Voltage Meters |
| 4 | Weatherometer | Atlas Electric Co. | CXW | CB-1214 | 1 Year* | 5/13 | +/-1% | *Temp. and Voltage Meters |
| 5 | Weatherometer | Atlas Electric Co. | XW-WT | W0-3009 | 1 Year* | 5/13 | +/-1% | *Temp. and Voltage Meters |
| 6 | Color Change - Gray Scale | AATCC | --- | --- | --- | --- | --- | Visual Comparison |
| 7 | Universal Testing Machine | Instron | 1115 | 3289 | 1 Year | 6/13 | +/-1% | Webbing Strength |
| 8 | Universal Testing Machine | Instron | TTC | 4344 | 1 Year | 6/13 | +/-1% | Webbing Strength |
| 9 | 2" Split Drum Grips | U.S. Testing Co. | --- | --- | --- | --- | --- | Instron Fixture |

**SGS NORTH AMERICA INC.
TEST EQUIPMENT**

| <u>NO.</u> | <u>ITEM</u> | <u>MANUFACTURER</u> | <u>MODEL</u> | <u>SERIAL NO.</u> | <u>CAL. PERIOD</u> | <u>DATE OF LAST CAL.</u> | <u>ACCURACY</u> | <u>REMARKS</u> |
|------------------------------|------------------------------|---------------------|--------------|-----------------------|--------------------|--------------------------|---------------------|---|
| <u>BUCKLE TESTING</u> | | | | | | | | |
| 10 | Salt Spray Chamber | Singleton Corp. | SCCH22 | SCCH22-21947 | --- | --- | --- | Checked daily in accordance with ASTM B-117 |
| 11 | Temperature Recorder | Honeywell | DR4300 | 0318Y359 016800003 | 1 Year | 4/13 | +/- 5°F | Monitor Salt Spray Temperature |
| 12 | Temperature Humidity Chamber | Blue-M | FR-386PC | AA221 | 1Year | 4/13 | +/-2°C +/-5% R.H | Temperature-Humidity Exposure |
| 13 | Temperature Humidity Chamber | Blue-M | FR-386PBX | AA278 | 1Year | 4/13 | +/-2°C +/-5% R.H | Temperature-Humidity Exposure |
| 14 | Temperature Humidity Chamber | Blue-M | LR-386B-MP1 | L3-122 | 1 Year | 1/13 | +/-2°C +/-5% R.H | Temperature-Humidity Exposure |
| 15 | Temperature Chamber | Despatch | 52392 V29 | 037-15 | 1 Year | 4/13 | +/-2°C +/-5% R.H | Temperature Exposure |
| 16 | Temperature Recorder | Bristol | N15-T25 | 736652 | 1 Year | 4/13 | +/-1% | Temperature Measurement |
| 17 | Pushbutton Latch Fixture | U.S. Testing | --- | --- | 1 Year* | 6/13 | --- | Force checked prior to use. *Timer Counter |

STANDARD LABORATORY CONDITIONING

| | | | | | | | | |
|----|---------------------------------|---------|-------|----------|-------|------|----------------------|---------------------------|
| 18 | Temperature / Humidity Recorder | Dickson | TH800 | 07150222 | 1Year | 4/13 | +/-2°F +/-5% R.H. | Monitor Room Conditioning |
|----|---------------------------------|---------|-------|----------|-------|------|----------------------|---------------------------|

APPENDIX B

INTERPRETATION AND/OR DEVIATIONS FROM FMVSS NO. 213

NO INTERPRETATIONS OR DEVIATIONS FROM FMVSS NO. 213

APPENDIX C

PHOTOGRAPHS

LISTS OF PHOTOGRAPHS

The following section identifies photographed testing equipment.

| Page Number | Description of Photograph |
|-------------|------------------------------|
| C-2 | Corrosion Resistance |
| C-3 | Temperature Humidity Chamber |
| C-4 | Temperature Chamber |
| C-5 | Button Cycling Apparatus |
| C-6 | Breaking Strength Apparatus |
| C-7 | Resistance to Light |
| C-8 | Hex Bar Abrasion Apparatus |

The following section identifies photographs of the seat.

| Photograph Number | Description of Photograph |
|-------------------|---------------------------|
| C-9 | Top of Box |
| C-10 | Side of Box |
| C-11 | Front of Seat |
| C-12 | Side of Seat |
| C-13 | Back of Seat |
| C-14 | Registration Card |

C-2



C-3



Temperature/Humidity Chamber

C-4



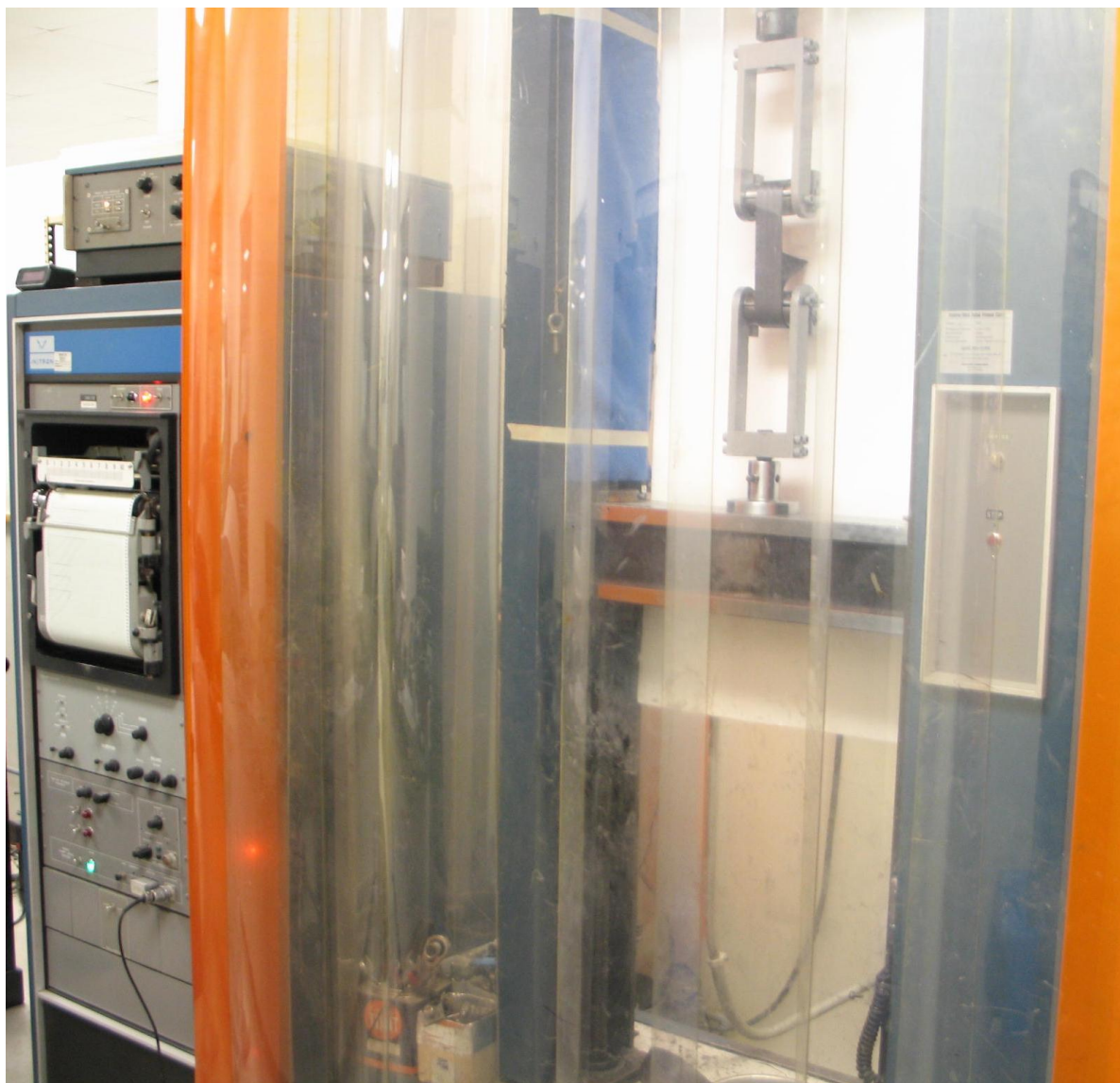
Temperature Chamber

C-5



Button Cycling Apparatus

C-6



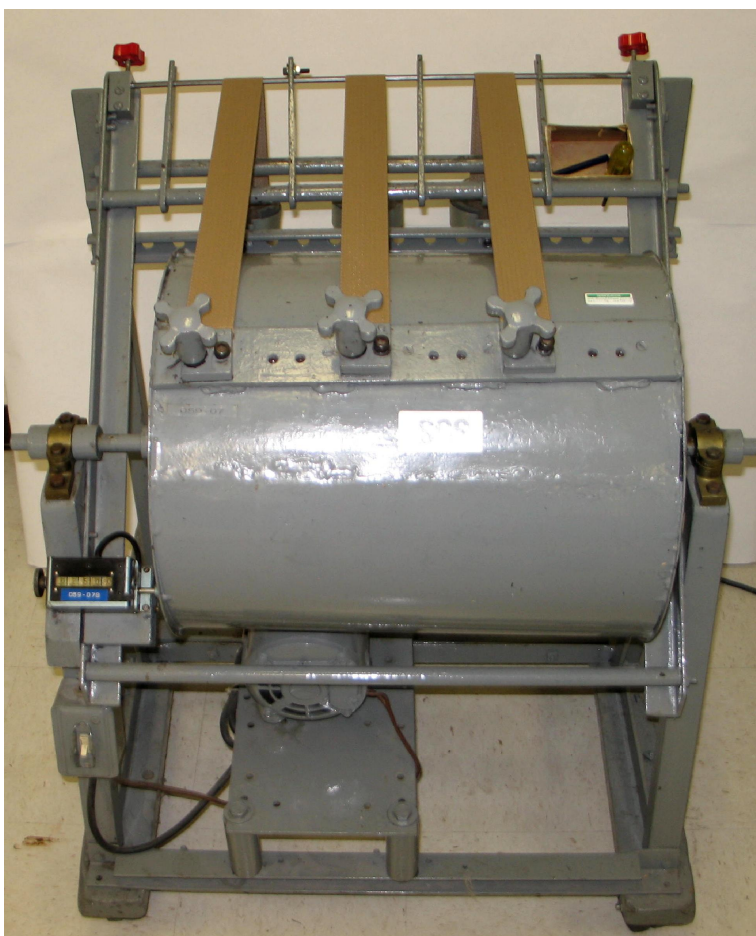
Instron Universal Testing Machine

C-7



Weatherometer

C-8



Hex Bar Abrasion Apparatus

C-9



BOOSTER CAR SEATS

SIÈGES D' APPOINT D'AUTO

ASIENTOS DE NIÑO PARA EL AUTOMÓVIL

#43 EVENFLO MAESTRO C9

C-10



C-10A (Box label showing actual contents near bottom edge)

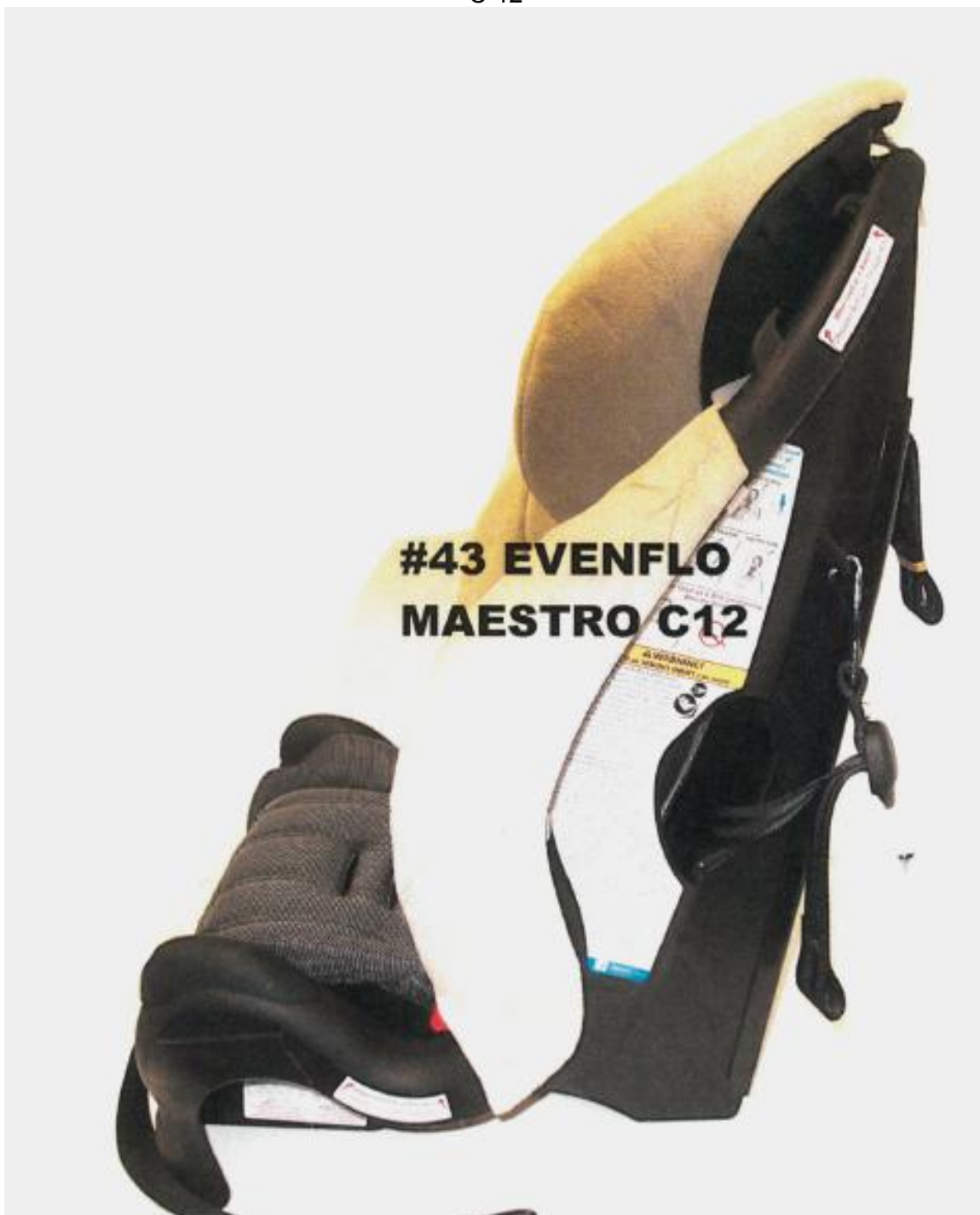
| | | | |
|---|--|---|-----------------------|
| SHIP TO: SGS NORTH AMERICA INC 291 FAIRFIELD AVE ATTN: FRANK SAVINO FAIRFIELD NJ 07004 | | SHIP TO #: 0003 DEPT./DIV.  | |
| CUSTOMER PURCHASE ORDER NO. | | SGS | |
| CUSTOMER SKU NO: | | | |
| SKU CASE PACK QTY: 2 | | | |
| CUSTOMER#: M1014 | SALES ORD# 237750 | ORDER DATE: 03-01-13 | SUPPLIER#: |
| ROUTE: Old Dominion Freight Lines | | | |
| UPC NO. |  0 32884 17044 9 | | |
| FROM: | Evenflo Co. INC. - Piqua 1801 Commerce Dr. Piqua OH 45356 | | |
| CAT / ITEM #: | 3102198 MAESTRO FACTORY SELECT 2PK | | SKU # 032884170449 |

C-11

**#43 EVENFLO
MAESTRO C11**



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C-13



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FOR YOUR CHILD'S CONTINUED SAFETY

Please take a few moments to promptly fill out and return the attached card (or register online using the direct link to the manufacturer's registration website provided).

Although child restraint systems undergo testing and evaluation, it is possible that a child restraint could be recalled.

In case of a recall, we can reach you only if we have your name and address, so please send in the card (or register online) to be on our recall list.

***Please fill this card out and mail it NOW,
(or register online at: www.evenflo.com/registercarseat)
while you are thinking about it.***

The card is already addressed and we've paid the postage.

Tear off and mail this part

| | | |
|---|-------------|----------------|
| Consumer: Just fill in your name and address and e-mail address. | | |
| Your Name <u># 43</u> | | |
| Your Street Address _____ | | |
| City _____ | State _____ | Zip Code _____ |
| E-mail Address _____ | | |
| CHILD RESTRAINT REGISTRATION CARD | | |

Made in/Fabriqu  en 2013/02/20
 (year/month/day)/(ann e/mois/jour)
 Name/Nom Maestro
 Model/Mod le 3102198 PO 2
 Manufactured in / Fabriqu  en US
 Expires on / Expire le 2019/02/19