

TEST REPORT:

Report of Spectacle Testing of
Model AL013 DERMA STEEL PLUS

REPORT TO:

Espomega S.A. de C.V.
Pablo A. Gonzalez Garza 820 Pte
Col Chepevera
Monterrey, N.L. 64030

ATTENTION:

Mr. David Shapiro

REPORT DATE:

February 25, 2011

REPORT TO: Espomega S.A. de C.V. **PROJECT:** Report of Spectacle.
Pablo A. Gonzalez Garza 820 Pte Testing
Col Chepevera
Monterrey, N.L. 64030

ATTENTION: Mr. David Shapiro **PSI PROJECT NO.:** 0823112

DATE: February 25, 2011 **PSI LAB NO.:** SPT-10032-12A

Professional Service Industries, Inc. (PSI) has performed testing on the referenced project. The results of our tests are presented in the accompanying report.

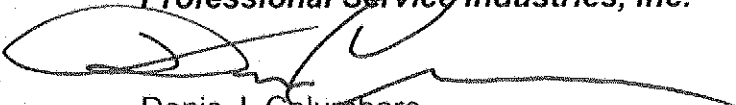
On February 23, 2011, Professional Service Industries, Inc. (PSI) received twenty-five (25) spectacles, identified as, Model AL013 DERMA STEEL PLUS, from Espomega S.A. de C.V. On February 24, 2011, PSI tested these spectacles in general accordance with the ANSI Z87.1-2010 specification.

Our services for this project were performed in accordance with PSI Proposal No. 823-1041, Rev. B dated January 3, 2011. The proposal included a proposed scope of services, estimated costs, unit rates, and PSI's General Conditions. Authorization to perform this project was in the form of signed acceptance of the aforementioned proposal, acknowledged January 21, 2011.

The results contained in this report are related only to the item(s) tested. The pages of this report (including attachments) shall not be reproduced, except in full, without written approval of PSI. All testing was conducted by and under the continuous, direct supervision of Professional Service Industries, Inc.

Final Conclusion: The Espomega S.A. de C.V. Model AL013 DERMA STEEL PLUS **Does Comply** with the ANSI Z87.1-2010 specification.

Respectfully submitted,
Professional Service Industries, Inc.


Denis J. Columbare
Lab Technician, Special Test


Daniel E. John
Manager, Special Test/Electrical



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 Laboratory No. SPT-10032-12A

Sample ID: Model AL013 DERMA STEEL PLUS
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REPORT OF SPECTACLE TESTING - GENERAL REQUIREMENTS

| Test/Property | ANSI Z87.1 Paragraph | Location | ANSI Z87.1-2010 Requirement | Test Results | Acceptance |
|----------------------------|----------------------|-------------|--|--------------------|------------|
| Optical Quality | 5.1.1/9.1.2 | | Free of visible defects | Acceptable | Pass |
| Transmittance, Luminous | 5.1.2/9.2.2 | | 85% Minimum | 92.5 % | Pass |
| Haze | 5.1.3/9.3.2 | | 3% max. | 0.79 % | Pass |
| Refractive Power | 5.1.4/9.4.3 | | ± 0.06D | 0.048 D | Pass |
| Astigmatism | 5.1.4/9.4.3 | | ≤0.06D max. | 0.040 D | Pass |
| Resolving Power | 5.1.4/9.4.3 | | Pattern 20 min. | Pattern 28 | Pass |
| Prismatic Power | 5.1.4/9.5.3 | | ≤0.50 Δ | 0.063 Δ | Pass |
| Vertical Prism Imbalance | 5.1.4/9.5.3 | | ≤0.25 Δ | 0.063 Δ | Pass |
| Horizontal Prism Imbalance | 5.1.4/9.5.3 | | ≤0.25 Δ Base In ≤0.50 Δ Base Out | 0.125 Δ Base In | Pass |
| Drop ball impact | 5.2.1/9.6.2 | | No fracture | Acceptable | Pass |
| Ignition | 5.2.3/9.7.3 | | Shall not ignite or continue to glow | Acceptable | Pass |
| Corrosion resistance | 5.2.4/9.8.3 | | Function not impaired | Acceptable | Pass |
| Minimum Coverage Area | 5.2.5 | Left, Right | 40 mm min. width, 33 mm min. height | Acceptable | Pass |
| Minimum lens thickness | 5.3 | | No minimum requirement for impact rated spectacles | ----- | ----- |
| Marking | 5.4/T table 4A | Frame Front | Manufacturer and specification compliance | Acceptable | Pass |
| | | Temple | | | |
| | | Left Lens | Manufacturer & specification compliance | Acceptable | Pass |
| | | Right Lens | | | |



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REPORT OF SPECTACLE TESTING IMPACT PROTECTOR REQUIREMENTS

| Test/Property | ANSI Z87.1 Paragraph | Location | ANSI Z87.1-2010 Requirement | Test Results | Acceptance |
|----------------------|----------------------|----------------|--|--------------|------------|
| Lateral Coverage | 6.1.3/9.10.3 | | Continuous lateral coverage from the vertical plane/10 mm posterior/high/low | Acceptable | Pass |
| High mass impact | 6.2.2/9.11.3 | Left 1 | No piece fully detached from inner surface, no penetration of rear surface, lens retained. | Acceptable | Pass |
| | | Left 2 | | Acceptable | Pass |
| | | Right 1 | | Acceptable | Pass |
| | | Right 2 | | Acceptable | Pass |
| High velocity impact | 6.2.3/9.12.3 | Left 90° | No piece fully detached from inner surface, no penetration of rear surface, lens retained. No contact paste on projectile or device. | Acceptable | Pass |
| | | 30° | | Acceptable | Pass |
| | | 90° 10 mm high | | Acceptable | Pass |
| | | Right 90° | | Acceptable | Pass |
| | | 30° | | Acceptable | Pass |
| | | 90° 10 mm low | | Acceptable | Pass |
| Penetration | 6.2.4/9.13.3 | | No fracture, no penetration of rear surface, lens retained | Acceptable | Pass |