

TEST REPORT:

Report of Goggle Testing of
Model EVEREST

REPORT TO:

Vicsa S.A.
San Francisco 144
Santiago De Chile

ATTENTION:

Mr. Rafael Cvjetkovic M.

REPORT DATE:

January 4, 2007

REPORT TO: Vicsa S.A.
San Francisco 144
Santiago De Chile

PROJECT: Report of Goggle
Testing of Model
EVEREST

ATTENTION: Mr. Rafael Cvjetkovic M. **PSI PROJECT NO.:** 823-66004

DATE: January 4, 2007 **PSI LAB NO.:** ELC-60354-18

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

On December 22, 2006, Professional Service Industries, Inc. (PSI) received twenty-five (25) goggles, identified as, EVEREST Goggle, from Vicsa S.A. On January 4, 2007, PSI tested these goggles in general accordance with ANSI Z87.1-2003.


Our services for this project were performed in accordance with PSI Proposal No. 823-5050, Rev. A, dated February 1, 2006. 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 February 2, 2006.

PSI has not conducted flammability testing per ANSI Z87.1-2003, Paragraph 8.6. Conformance of the product to the standard is contingent upon documentation of the compliance of resins to ASTM D635-97.

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 Vicsa S.A. Model EVEREST **Does Comply** with the ANSI Z87.1 specification with the exception of Paragraph 8.6.

Respectfully submitted,
Professional Service Industries, Inc.


David J. Sienerth
Lab Technician, Special Test


Paul B. Medwig
Manager, Electrical/Special Test



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 Laboratory No. ELC-60354-18

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REPORT OF GOGGLE TESTING

| Test/Property | ANSI Z87.1 Paragraph | Location | ANSI Z87.1 Requirement | Test Results | Acceptance |
|----------------------|----------------------|---------------------|---|--------------|------------|
| High velocity impact | 8.3.1.2 | LEFT: 15° nasal | No orbital contact or hazardous ejections | Acceptable | Pass |
| | | 0° | | Acceptable | |
| | | 15° temporal | | Acceptable | |
| | | 30° | | Acceptable | |
| | | 45° | | Acceptable | |
| | | 60° | | Acceptable | |
| | | 75° | | Acceptable | |
| | | 90° | | Acceptable | |
| | | 90° 10 mm high | | Acceptable | |
| | | 90° 10 mm low | | Acceptable | |
| | | RIGHT: 15° nasal | | Acceptable | |
| | | 0° | | Acceptable | |
| | | 15° temporal | | Acceptable | |
| | | 30° | | Acceptable | |
| | | 45° | | Acceptable | |
| | | 60° | | Acceptable | |
| | | 75° | | Acceptable | |
| | | 90° | | Acceptable | |
| | | 90° 10 mm high | | Acceptable | |
| | | 90° 10 mm low | | Acceptable | |



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REPORT OF GOGGLE TESTING

| Test/Property | ANSI Z87.1 Paragraph | Location | ANSI Z87.1 Requirement | Test Results | Acceptance |
|----------------------------|----------------------|----------|--|--------------------|------------|
| High mass impact | 8.3.1.1 | Left 1 | No hazardous ejections | Acceptable | Pass |
| | | Left 2 | | Acceptable | |
| | | Right 1 | | Acceptable | |
| | | Right 2 | | Acceptable | |
| Penetration | 8.3.1.3 | | No fracture, no penetration | Acceptable | Pass |
| Prismatic power | 8.4.2 | | 1/4 Δ max | 0.20 Δ | Pass |
| Vertical prism imbalance | 8.4.2 | | 1/8 Δ max | 0.05 Δ | Pass |
| Horizontal prism imbalance | 8.4.2 | | 1/8 Δ max base in, 1/2 Δ max base out | 0.30 Δ Base out | Pass |
| Refractive power | 8.4.3 | | ± 1/16 d. max | 0.05 d. | Pass |
| Astigmatism | 8.4.3 | | 1/16 d. max | 0.04 d. | Pass |
| Resolving Power | 8.4.4 | | Pattern 20 min | Pattern 20 | Pass |
| Haze | 8.4.5 | | 3% max | 0.26 % | Pass |



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REPORT OF GOGGLE TESTING

| Test/Property | ANSI Z87.1 Paragraph | Location | ANSI Z87.1 Requirement | Test Results | Acceptance |
|----------------------|----------------------|-----------|--|-------------------|------------|
| Transmittance | 8.5.2 | | | | |
| Visible | | Left | | 90.8 % | |
| | | Right | | 91.3 % | |
| | | L/R ratio | 0.90-1.10 | 0.99 | Pass |
| Flammability | 8.6 | | | * | * |
| Corrosion resistance | 8.7 | | Function not impaired | Acceptable | Pass |
| Cleanability | 8.8 | | Function not impaired | Acceptable | Pass |
| Ventilation | 8.9.1 | Body | No direct passage (or) 1.5 mm sphere excluded | No direct passage | Pass |
| Marking | 8.12.1 | Frame | Manufacturer and compliance | Acceptable | Pass |
| | 8.12.2 | Lens | Manufacturer, shade and specification compliance | Acceptable | Pass |

* Acceptance is contingent upon receipt of certificate of compliance to ASTM D635-97 from the resin manufacturer.