

TEST REPORT:

Report of Spectacle Testing of
Model WORKSafe Firefly

REPORT TO:

PDS International Pte Ltd
10 Pandan Crescent #05-03/04
UE Techpark
128466
Singapore

ATTENTION:

Mr. Stuart Seah

REPORT DATE:

March 16, 2004

REPORT TO: PDS International Pte Ltd **PROJECT:** Report of Spectacle
10 Pandan Crescent #05-03/04 Testing of Model
UE Techpark WORKSafe Firefly
128466
Singapore

ATTENTION: Mr. Stuart Seah **PSI PROJECT NO.:** 823-46012

DATE: March 16, 2004 **PSI LAB NO.:** ELC-40084

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

On March 9, 2004, Professional Service Industries, Inc. (PSI) received twenty-five (25) spectacles, identified as, WORKSafe Firefly/TF 62 Spectacles with Clear Non-Removable Lenses, from PDS International Pte Ltd. On March 9, 2004, PSI tested these spectacles in general accordance with the ANSI Z87.1-2003 specification.

Our services for this project were performed in accordance with PSI Proposal No. 823-4055, Rev. A, dated January 20, 2004. 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 March 1, 2004.

PSI has not conducted flammability testing per ANSI Z87.1-2003, Paragraph 7.6. 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 PDS International Pte Ltd. Model WORKSafe Firefly **Does Comply** with the ANSI Z87.1-2003 specification.

Respectfully submitted,
Professional Service Industries, Inc.

Joseph H. Zarnich
Lab Technician, Electrical

Paul B. Medwig
Manager, Electrical/Special Test

REPORT OF SPECTACLE TESTING

Test/Property	ANSI Z87.1 Paragraph	Location	ANSI Z87.1 Requirement	Test Results	Acceptance
High mass impact	7.4.2.1.1	Left 1	No hazardous ejections, lens shall not fracture, lens shall be retained in frame	Acceptable	Pass
		Left 2		Acceptable	
		Right 1		Acceptable	
		Right 2		Acceptable	
Penetration	7.4.2.1.3		No fracture, no penetration, lens shall be retained in frame	Acceptable	Pass
Prismatic power	7.4.3.2		1/2 Δ max	0.20 Δ	Pass
Vertical prism imbalance	7.4.3.2		1/4 Δ max	0 Δ	Pass
Horizontal prism imbalance	7.4.3.2		1/4 Δ max base in, 1/2 Δ max base out	0.05 Δ Base in	Pass
Refractive power	7.4.3.3		± 1/16 d. max	+0.01 d.	Pass
Astigmatism	7.4.3.3		1/16 d. max	0 d.	Pass
Resolving Power	7.4.3.4		Pattern 20 min	Pattern 20	Pass
Haze	7.4.3.5		3% max	0.05 %	Pass

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Test/Property	ANSI Z87.1 Paragraph	Location	ANSI Z87.1 Requirement	Test Results	Acceptance
Transmittance	7.4.3.6				
Visible		Left		94 %	
		Right		93 %	
		L/R ratio	0.90-1.10	1.01	Pass
Flammability	7.6			*	*
Corrosion Resistance	7.7		Function not impaired	Acceptable	Pass
Cleanability	7.8		Function not impaired	Acceptable	Pass
Marking	7.10.3	Frame Front	Manufacturer and specification compliance	Acceptable	Pass
		Temple			
		Left	Manufacturer, shade and specification compliance	Acceptable	Pass
		Right			

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