psi Information To Build On
Engineering • Consulting • Testing

TEST REPORT:

Report of Spectacle Testing of
Model WORKSafe SKYVO

REPORT TO:

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

ATTENTION:

Mr. Stuart Seah

REPORT DATE:

December 19, 2006

PSI Information To Build On
Engineering • Consulting • Testing

REPORT TO:	PDS International Pte Ltd 10 Pandan Crescent #05-03/04 UE Techpark 128466 Singapore	**PROJECT:**	Report of Spectacle Testing of Model WORKSafe SKYVO
ATTENTION:	Mr. Stuart Seah	**PSI PROJECT NO.:**	823-66004
DATE:	December 19, 2006	**PSI LAB NO.:**	ELC-60351-203

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 15, 2006, Professional Service Industries, Inc. (PSI) received twenty-five (25) spectacles, identified as, Model WORKSafe SKYVO, from PDS International Pte. Ltd. On December 18, 2006 and December 19, 2006, 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. 823-6053, dated December 19, 2005. 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 10, 2006.

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 SKYVO **Does Comply** with the ANSI Z87.1-2003 specification with exception to Paragraph 7.6 as stated above.

Respectfully submitted,
Professional Service Industries, Inc.

David J. Sienerth
Lab Technician, Special Test

Paul B. Medwig
Manager, Electrical/Special Test

Professional Service Industries, Inc. • 850 Poplar Street • Pittsburgh, PA 15220 • Phone 412/922-4000 • Fax 412/922-4014

REPORT OF SPECTACLE TESTING

Test/Property	ANSI Z87.1 Paragraph	Location	ANSI Z87.1 Requirement	Test Results	Acceptance
High velocity impact	7.4.2.1.2	LEFT: 15° nasal	No orbital contact or hazardous ejections Lens shall not fracture, shall be retained in frame.	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	

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	
Drop ball impact	7.3.1		No fracture	Acceptable	Pass
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	0.15 Δ	Pass
Vertical prism imbalance	7.4.3.2		$^1/_4$ Δ max	0.03Δ	Pass
Horizontal prism imbalance	7.4.3.2		$^1/_4$ Δ max base in, $^1/_2$ Δ max base out	0.15 Δ Base out	Pass
Refractive power	7.4.3.3		± $^1/_{16}$ d. max	0.035 d.	Pass
Astigmatism	7.4.3.3		$^1/_{16}$ d. max	0.00 d.	Pass
Resolving Power	7.4.3.4		Pattern 20 min	Pattern 20	Pass
Haze	7.4.3.5		3% max	0.26 %	Pass

REPORT OF SPECTACLE TESTING

Test/Property	ANSI Z87.1 Paragraph	Location	ANSI Z87.1 Requirement	Test Results	Acceptance
Transmittance	7.5.4				
Visible		Left		92.4 %	
		Right		92.0 %	
		L/R ratio	0.90-1.10	1.00	Pass
Flammability	7.6			*	*
Corrosion resistance	7.7		Function not impaired	Acceptable	Pass
Cleanability	7.8		Function not impaired	Acceptable	Pass
Marking	7.10.1	Frame Front Temple	Manufacturer and specification compliance	Acceptable	Pass
	7.10.2	Left Right	Manufacturer, shade and specification compliance	Acceptable	Pass

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