

December 5, 2012

Vicsa Safety S.A. Casa Matriz Pintor Cicarelli 683-SAN JOAQUÍN SAN **CHILI**

Intertek Test Report Number: G100766457CRT-128

Dear Vicsa Staff:

Intertek has completed the evaluation of your Patrol Safety Spectacles with Grey Lenses, manufactured by Vicsa Safety S.A. to the Rating of Z87+. The Safety Spectacles were evaluated to the requirements of American National Standard for Occupational and Educational Personal Eye and Face Protection Devices, ANSI/ISEA Z87.1-2010. The test samples were received on 6/21/12 and 9/2/12 in new condition. The evaluations were performed at Intertek in Cortland, NY between 11/15/12 through 12/04/12. The results of these tests are as indicated below.

Sample(s) provided for Evaluation:		
20 Pairs of Safety Spectacles		

Tests Completed:	Test Date(s):	<u>Section</u>	Results
General Requirements (All Protectors)	11/15/12-12/4/12	5	PASS
Impact Protector Requirements (Z87+)	11/15/12-12/4/12	6	PASS

NOTE: See Pages 3-8 for the representative data sheets for the product evaluated.

This test report concludes the work for your project outlined under Intertek Quote No: 500395879. If there are any questions regarding this report please contact the undersigned at 607-753-6711.

Reviewed by: Tested by:

Erik Sprague Associate Engineer

Performance Group

Sara Ensign Associate Engineer Performance Group

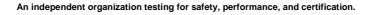












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11/15/2012 -

Job No.:G100766457Tested By:Erik SpragueDate:12/4/2012Product:SpectaclesReviewed By:Sara EnsignDate:12/4/12

Model No.: Patrol Standard: ANSI/ISEA Z87.1-2010

Description: Safety Spectacles with grey lenses

Sample Control Number: 2012-06-250588; 2012-09-255047 TRANSCRIBED TEST DATA

Type:	Spectacle:	X	Goggle:	Faceshield:	WH Lenses:		WH Lenses: FF Respirator:		Removable:	
Style:	Plano:	X	Rx:	Photochromatic:	Tinted:	X	Clear:	Non-Removable:	X	

Table of Contents:	ole of Contents:									
Required:	Page(s):	Section:	Test Description:	Pass/Fail:						
(X)	1-8	N/A	Intertek Report No: G100766457CRT-128	N/A						
(X)	2	N/A	Table of Contents	N/A						
(X)	2	N/A	Equipment List	N/A						
(X)	3-5	5	General Requirements (all protectors)	PASS						
(X)	6-8	6	Impact Protector Requirements (Z87+)	PASS						

Equipme	nt List:				
Used:	Equipment:	Manufacturer:	Model No.:	Control No.:	Cal. Due Date:
(X)	Headform	Inspec	EN 168:2001 Medium Head (50 th percentile adult male)	N/A	N/A
(X)	Headform	Inspec	"H" Head	NA	N/A
(X)	6-inch scales	Fowler	52-389-006	N1273	4/23/13
(X)	Gram Scale	Ohaus	Precision Standard	S115	2/17/13
(X)	Calipers	Mitu	0-6"	N1217	5/30/13
(X)	Tape Measure	Craftsman	939392	N766	11/22/12
(X)	Thermocouple / Meter / Rod	Newport	HHM290/N	M218	12/14/12
(X)	Balance/Scale	Ohaus	Precision Standard	S115	2/17/13
(X)	High Mass Impactor (pointed projectile)	Intertek	Z87-2010 High Mass	J143	12/14/12
(X)	Air Cannon	Basic Eng	HVIT	N740	8/3/13
(X)	Ventilation Probe	Intertek	1.5mm x 125mm	J154	8/3/13
(X)	Needle Penetrator	Intertek	Z87-2010 Penetrator	J174	N/A
(X)	Drop Ball	Intertek	Z87-2010 Drop Ball	J147	2/10/13

Client:	Vicsa Safety SA	Engineer:	Erik Sprague		
Job No.:	G100766457	Tested By:	Erik Sprague	Date:	11/15/2012 – 12/4/2012
Product:	Spectacles	Reviewed By:	Sara Ensign	Date:	12/4/12
Model No.:	Patrol	Standard:	ANSI/ISEA Z87.1-2010		
Description:	Safety Spectacles with grey lenses				
Sample Contr	rol Number: 2012-06-250588 ; 2012-09	0-255047	TRANSC	CRIBED TE	ST DATA

Type:	Spectacle:	X	Goggle:	Faceshield:	WH Lenses:	FF Respirator:	Removable:
Style:	Plano:	X	Rx:	Photochromatic:	Tinted: X	Clear:	Non-Removable: X

Section 5, General Requirements (All Protectors)

Section (Test)	Requirement			Results			Compliance
5	General Requirements (A	All Protectors)					
5.2	Physical Requirements: Protectors shall be free from other defects which are like injury during use.		Sample #	Physical De NO	1 fects	PASS	
5.2.1 (9.6)	Drop Ball Impact Resistance The protector lenses shall n a steel ball. A complete dev following occurs; piece full surface, fracture, penetratio not retained Dro Weight, grams Diameter, mm (inch) Drop Height, cm (inch)	ot fracture when ice shall fail if y detached fron	any of the n inner	Req'd: Req'd:	Laboratory Cond Temperature Range 18-28 ° (65-82 °F) 68 Impact eye Location Left Left Right Right	Humidity	PASS
5.2.2	Protector Criteria			See section	5.2.1		Info only
5.2.3 (9.7)	Ignition: Protectors shall not ignite or ord is removed. Each extern (exclusive of textiles or elast	ally exposed m	naterial	Sample #: Req'd: Actual: Type Lens Frame Nosepiece	Laboratory Cond Temperature Range 18-28 ° (65-82 °F) 68-72 Ignition NO NO	Humidity	PASS

TRANSCRIBED TEST DATA

INTERTEK TEST DATA SHEETS

Client:	Vicsa Safety SA	Engineer:	Erik Sprague		
Job No.:	G100766457	Tested By:	Erik Sprague	Date:	11/15/2012 – 12/4/2012
Product:	Spectacles	Reviewed By:	Sara Ensign	Date:	12/4/12
Model No.:	Patrol	Standard:	ANSI/ISEA Z87.1-2010		
Description:	Safety Spectacles with grey lenses				·

ĺ	Type:	Spectacle:	X	Goggle:	Faceshield:	WH Lenses:		FF Respirator:	Removable:	
ſ	Style:	Plano:	X	Rx:	Photochromatic:	l Tinted >	X	Clear:	Non-Removable:	X

Sample Control Number: 2012-06-250588; 2012-09-255047

Section (Test)	Requiremen	nt		Results					Compliance
5	General Rec	uirements (All Protectors)							
5.2.4 (9.8)	Metal comporresistant to the shall not be in			Req'd:	Laboratory Tempe Range 1 (65-8	erature 8-28 °C	Humidity Range		
	requirements. Date/Time: 11/19/12 11/19/12 11/19/12 11/19/12- 11/20/12 11/20/12			Sampl Metal Com Screv	66- le #: nponents w 1	71	35-65 % 61-65 2 tion Impaire NO NO	d	PASS
5.2.5	Minimum Coverage Area: The eyewire and lens shall cover in plain view an area of not less than 40 mm (1.57 in.) in width and 33 mm 1.30 in.) in height (elliptical) in front of each eye, centered on the geometrical center of the lens. Frames designed for small head sizes shall cover in plain view an area of not less than 34 mm (1.34 in.) in width and 28 mm (1.10 in.) in height (elliptical), centered on the geometrical center of the lens. Frames designed for small head sizes shall be tested on the 54 mm (2.13 in.) PD headform and are permitted to have an eye size, including eyewire thickness, as small as 34 x 28 mm (1.34 x 1.10 in.). Frames that are tested using the small headform shall be marked on the frame with the letter "H".			Sample #: 1 Minimum Coverage YES			PASS		
5.3		n lens thickness for specified protector stated in Table 3.		Sample #: Type: (see Measured l			2 n): N/A		
	N	Table 3 Minimum	Lens			,			
		Protector pectacle, Plano	_	3.0 mm (0.12 i					
	3 S ₁	pectacle, Plano, Impact Rated pectacle, Prescription pectacle, Prescription, Impact Rated	≥3	No Minimum Thickness Requirement ≥ 3□0 mm (0.12 in.) ≥ 2.0 mm (0.08 in.)				PASS	
	5 G	oggles	≥3 ≥1	≥ 3.0 mm (0.12 in.) Glass ≥ 1.27 mm (0.05 in.), Non-glass					
	7 F: 8 F:	oggles, Impact Rated aceshield aceshield, Im□act Rated Velding Helmets	≥ 1 No	Minimum Th .0 mm (0.04 in Minimum Th Minimum Th	n.) ickness Re	equiremer	nt		

Client:	Vicsa Safety SA	Engineer:	eer: Erik Sprague		
Job No.:	G100766457	Tested By:	Erik Sprague	Date:	11/15/2012 – 12/4/2012
Product:	Spectacles	Reviewed By:	Sara Ensign	Date:	12/4/12
Model No.:	Patrol	Standard:	ANSI/ISEA Z87.1-2010		
Description:	Safety Spectacles with grey lenses				
Sample Contr	rol Number: 2012-06-250588 ; 2012-0 9	0-255047	TRANSC	CRIBED TES	ST DATA

Type:	Spectacle:	X	Goggle:	Faceshield:	WH Lenses:		FF Respirator:	Removable:	
Style:	Plano:	X	Rx:	Photochromatic:	Tinted:	X	Clear:	Non-Removable:	X

Section (Test)	Requirement		Results			Compliance
5	General Requirements (All Protect	tors)				,
5.4	Marking Requirements:	,				
	All protectors shall bear the permanen specified locations as shown in Table Markings shall follow the sequence sh the standard. Marking for lens type an shall be required only when claims for the hazard or indicated use are made b manufacturer. In addition, the components of frames for prescription protector use shall be accordance with the system described 2004. Fronts shall be marked with the size) and DBL.	4a of the standard. hown in Table 4b of d use applications reprotection against by the that are intended marked for size in in ANSI Z80.5-		Markings on VICZ87+1	1	
	,					1
	Reference Table 4a of standard:	T	. •			
	Type of Mark	Spectacles	All Other	Frame	Complete Device (no replaceable parts)	PASS
	All Protectors shall bear the marking	igs below:	1	· I	1,	
	Mfg Mark or Logo	Yes	Yes	Yes	Yes	
	Standard – Plano		Z87	Z87	Z87	
	Standard – Rx		Z87	Z87-2	Z87-2	
	Coverage (small head)	Н		Н		
	The following markings shall be req	zuired only when c	laims are made:			
	Impact Mark –Impact rated Plano	+	Z87+	Z87+	Z87+	
	Impact Mark – Impact rated Rx	+	Z87+	Z87-2+	Z87-2+	
	Lens Type – Clear					
	Lens Type - Welding	W shade	W shade		W shade	
	Lens Type – UV Filter	U scale #	U scale #		U scale #	
	Lens Type – Visible Light Filter	L scale #	L scale #		L scale #	
	Lens Type – IR Filter	R scale #	R scale #		R scale #	
	Lens Type – Variable Tint	V	V		V	
	Special Purpose	S	S		S	
	Use- Splash / Droplet	_		D3	D3	
	Use – Dust	4		D4	D4	
	Use – Fine Dust			D5	D5	

Client: Vicsa Safety SA Engineer: Erik Sprague 11/15/2012 -G100766457 Job No.: Tested By: Erik Sprague Date: 12/4/2012 Product: Spectacles Reviewed By: Sara Ensign Date: 12/4/12 Model No.: Patrol Standard: ANSI/ISEA Z87.1-2010 Safety Spectacles with grey lenses Description:

Sample Control Number: 2012-06-250588; 2012-09-255047 TRANSCRIBED TEST DATA

Type:	Spectacle:	X	Goggle:	Faceshield:	WH Lenses:	FF Respirator:	Removable:
Style:	Plano:	X	Rx:	Photochromatic:	Tinted: X	Clear:	Non-Removable: X

Section 6, Impact Protector Requirements (Z87+)

Section (Test)	Requirement	Results	Compliance
6	Impact Protector Requirements (Z87+)		
6.1	General		
6.1.1	Impact Rated Protectors:	Information only	
	Shall meet the impact requirements and be marked per Tables 4a and 4b of the standard.		
6.1.2	Frames and Shells	Tested as a complete device, see test sections 6.2.2 and 6.2.3	
6.1.3 (9.10)	Lateral (side) Coverage: Impact rated protectors shall provide continuous lateral coverage (i.e. no openings greater than 1.5 mm (.06 in.) in diameter) from the edge of the lens to a point not less than 10 mm (0.394 in.) posterior to the corneal plane and not less than 10 mm (0.394 in.) above and not less than 10 mm (0.394 in.) below the horizontal plane centered on the eyes of the headform.	Sample #: 2 Location Coverage 0° Right (random) YES 10 mm above YES 90° Right 10mm above YES 90° Left 10mm above YES 0° Left (random) YES 10mm below YES 90° Right 10mm below YES 90° Left 10mm below YES	PASS
6.2 6.2.1	Impact Requirements Protector Acceptance Criteria	See sections 6.2.2, 6.2.3, 6.2.4, 6.2.6	Info only
6.2.2 (9.11)	High Mass Impact: The complete device shall be capable of resisting an impact from a pointed projectile. A complete device shall fail if any of the following occurs; piece fully detached from inner surface, fracture, penetration of the rear surface, lens not retained. Impactor-Pointed Projectile Required Actual Weight, (grams) 500 502 Drop Height, cm (inch) 127 (50") 50"	Laboratory Conditions: Req'd: Temperature Humidity Range 18-28 °C Range (65-82 °F) 35-65 % Actual: 69 45 Sample Impact eye Fracture, 9.11: Location penetration, etc (1) Left NO (2) Left NO (3) Right NO (4) Right NO	PASS

INTERTEK TEST DATA SHEETS

Client: Vicsa Safety SA Engineer: Erik Sprague 11/15/2012 -G100766457 Job No.: Tested By: Erik Sprague Date: 12/4/2012 Product: Spectacles Reviewed By: Sara Ensign Date: 12/4/12 Model No.: Patrol Standard: ANSI/ISEA Z87.1-2010 Safety Spectacles with grey lenses Description:

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Type:	Spectacle:	X	Goggle:	Faceshield:	WH Lenses:		WH Lenses: FF Re		FF Respirator:	Removable:	
Style:	Plano:	X	Rx:	Photochromatic:	Tinted:	X	Clear:	Non-Removable:	X		

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Section (Test)	Requirement			Result	S				Co	mpliance
6 (Test)	Impact Protector Requirem	nents (787±)								
0	Impact Frotector Requirem	ients (2011)								
6.2.3 (9.12)	High Velocity Impact: The complete device shall from a 6.35 mm (0.25 in) d the velocity specified in Ta contact with the eye of the result of the impact. A complete device shall fai piece fully detached from i penetration of the rear surfahigh-velocity test, the unaisadhering to the contact past the projectile or complete complete of the projectile or complete or the projectile or the	Req Acturn	al: e#: 0° 30 * (0° 30)	Range 18-28 °C (65-82 °F)		Humidity Range 35-65 % 43 tt Contact ty eye NO		PASS		
6.2.4 (9.13)	Penetration Test (lenses only): Lenses for all complete devises shall be capable of resisting penetration by a weighted needle. A complete device shall fail if any of the following occurs; piece fully detached from inner surface, fracture, penetration of the rear surface, lens not retained. Needle Penetrator Required Actual Weight, grams 44.2 43.95 Drop Height, cm (inch) 127 (50") 50"		Samp 9.13: (1) (2) (3) (4)	'd: al:	Impact Locatio Left Right Right	8-28 °C 2 °F) 8	Humidity Range 35-65 % 43 enetration NO NO NO NO		PASS	

Client:	Vicsa Safety SA	Engineer:	Erik Sprague		
					11/15/2012 -
Job No.:	G100766457	Tested By:	Erik Sprague	Date:	12/4/2012
Product:	Spectacles	Reviewed By:	Sara Ensign	Date:	12/4/12
Model No.:	Patrol	Standard:	ANSI/ISEA Z87.1-2010		
Description:	Safety Spectacles with grey lenses				
Sample Contr	rol Number: 2012-06-250588 ; 2012-09	0-255047	TRANSC	CRIBED TES	ST DATA

Type:	Spectacle:	X	Goggle:	Faceshield:	WH Lenses:		WH Lenses: FF Respirator:		Removable:	
Style:	Plano:	X	Rx:	Photochromatic:	Tinted:	X	Clear:	Non-Removable:	X	

Requirement	Results	Compliance
Impact Protector Requirements (Z87+)		
Prescription Lens Material Qualification	Not this type	
		NA
Prescription Lens Mounting Qualification	Not this type	
The second secon	J. C.	
A complete device shall fail if any of the following occurs;		NA
piece fully detached from inner surface, fracture, penetration of the rear surface, lens not retained.		1471
	Impact Protector Requirements (Z87+) Prescription Lens Material Qualification Prescription Lens Mounting Qualification A complete device shall fail if any of the following occurs; piece fully detached from inner surface, fracture,	Impact Protector Requirements (Z87+) Prescription Lens Material Qualification Not this type Prescription Lens Mounting Qualification A complete device shall fail if any of the following occurs; piece fully detached from inner surface, fracture,