

June 19, 2013

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

Intertek Test Report Number: G101118796CRT-001

Dear Vicsa Staff:

Intertek has completed the evaluation of your Rocket Safety Faceshields with Clear Lenses, manufactured by Vicsa Safety S.A. to the Rating of Z87+. The Safety Faceshields were evaluated to the following specified sections of the American National Standard for Occupational and Educational Personal Eye and Face Protection Devices, ANSI/ISEA Z87.1-2010 — Section 5.2.1, 5.2.3, 5.2.4, 5.2.5, 5.3, 5.4, 6.1.3, 6.2.1, 6.2.2, 6.2.3, and 6.2.4. The test samples were received on 6/10/13 in new condition. The evaluations were performed at Intertek in Cortland, NY on 6/11/13 through 6/18/13. The results of these tests are as indicated below.

Sample(s) provided for Evaluation:

21 Pairs of Rocket Safety Faceshields with Clear Lenses

Tests Completed: General Requirements (All	Test Date(s):	<u>Section:</u> Sec. 5.2.1, 5.2.3, 5.2.4,	Results:
Protectors)	6/11/13-6/18/13	5.2.5, 5.3, 5.4	PASS
Impact Protector Requirements (Z87+)	6/11/13-6/18/13	Sec. 6.1.3, 6.2.1, 6.2.2, 6.2.3, 6.2.4	PASS

NOTE: See Pages 3-7 for the representative data sheets for the product evaluated.

This test report concludes the work for your project outlined under Intertek Quote No: 500440467. If there are any questions regarding this report please contact the undersigned at 607-753-6711.

Tested by:

Erik Sprague

Associate Engineer Performance Group

41 Apr

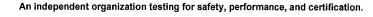
Reviewed by:

Brian Bishop Project Engineer

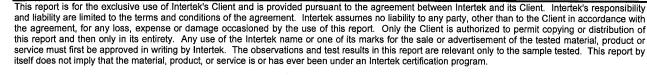
Performance Group

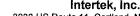














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Client:

Vicsa Safety SA

Engineer:

Brian Bishop

Job No.:

G101118796

Tested By:

Erik Sprague

6/11/2013 -

Product:

Reviewed By:

Date:

6/18/2013

Model No .:

Safety Faceshields

Brian Bishop

Date:

6/19/2013

Rocket Visor

Standard:

ANSI/ISEA Z87.1-2010

Description:

Safety Faceshield with clear lens

Sample Control Number: CRT1306100919-001

TRANSCRIBED TEST DATA

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

Required:	Page(s):	Section:	Test Description:
(X)	1	N/A	Intertek Report No:
(X)	1	· N/A	Table of Contents
(X)	1	N/A	Equipment List
(X)	2-7	5	General Requirements (all protectors)
(X)	2-7	6	Impact Protector Requirements (Z87+)

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	Product Engineering	261-006	R177	4/17/14
(X)	Gram Scale	Denver Instrument	MXX-612	\$295	9/26/13
(X)	Calipers	Mitu	0-6"	N460	1/3/14
(X)	Tape Measure	Lufkin	2333ME	R179	4/17/14
(X)	Thermocouple / Meter / Rod	Omega	HH21A	T1428	12/21/13
(X)	Balance/Scale	Denver Instrument	DI-4K	S132	12/10/13
(X)	High Mass Impactor (pointed projectile)	Intertek	Z87-2010 High Mass	J143	3/13/14
(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	3/1/14
(X)	Timer	CC	N/A	N1379	10/16/13
(X)	Scale	SPX	9010A	S264	8/3/13

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TRANSCRIBED TEST DATA

Client: Vicsa Safety SA Brian Bishop Engineer: 6/11/2013 -Job No.: G101118796 Tested By: Erik Sprague Date: 6/18/2013 Product: Safety Faceshields Reviewed By: Brian Bishop 66 Date: 6/19/2013 Model No .: Rocket Visor Standard: ANSI/ISEA Z87.1-2010 Description: Safety Faceshield with clear lens

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

Section 5, General Requirements (All Protectors)

Sample Control Number: CRT1306100919-001

Section (Test)	Requirement			Results			Compliance
5.2	Physical Requirements: Protectors shall be free from other defects which are likelinjury during use.			Sample #	Physical De	1 efects	PASS
5.2.1 (9.6)	Drop Ball Impact Resistance The protector lenses shall no a steel ball. A complete devi following occurs; piece fully surface, fracture, penetration not retained Drop Weight, grams Diameter, mm (inch) Drop Height, cm (inch)	Caboratory Conditions: Req'd: Temperature Humidity Range 18-28 °C Range (65-82 °F) 35-65 %			PASS		
5.2.3 (9.7)	Ignition: Protectors shall not ignite or rod is removed. Each externa (exclusive of textiles or elast	ally exposed ma	aterial	Sample #: Req'd: Actual: Type Lens	Laboratory Cond Temperature Range 18-28° (65-82°F) 69-71 Ignition NO	Humidity	PASS

			INTERTEK	TE	ST DATA SH	EETS			Page 4 of 7
Client:	Vicsa Sa	fety SA		E	Engineer:	Brian Bishop	=		·
Job No.:	G101118	796		7	Tested By:	Erik Sprague		Date:	6/11/2013 – 6/18/2013
Product:	Safety Fa	ceshields		F	Reviewed By:	Brian Bishop	be	Date:	6/19/2013
Model No.:	Rocket V	isor		S	Standard:	ANSI/ISEA Z87.	1-2010		
Description:	Safety Fa	ceshield wit	h clear lens						
		~~~~	VC100010 001					CDIDED TE	200 10 4 00 4
Sample Cont	ol Number	:: <u>CRT13(</u>	06100919-001				KANS	CRIBED TES	STUATA
	rol Number	r: CRT130	Faceshield:	X	WH Lenses:	FF Respirator:	KANS	Removable:	ST DATA

Section (Test)	Requirement		Results	Compliance	
5.2.4 (9.8)	resistant to the degree shall not be impaired electrical components requirements.  Date/Time:  Brin Boil Imm Dry	ed in protectors shall be corros that the function of the protect by the corrosion. Lenses and are excluded from these e solution:  for 15 minutes erse in room temp solution for 24-hours at room temp e, air dry, evaluate		NA (*No metal parts)	
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".				
5.3	No.  No.  Spectacle, Spectacle, Spectacle, Goggles Goggles, I Faceshield	Table 3 Minimum Protector Plano Plano, Impact Rated Prescription Prescription, Impact Rated  mpact Rated  , Impact Rated	Measured Lens Thickness (mm): N/A	PASS	

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			AND A DILLIE OF	LUDEO		1 450 3 01
Client:	Vicsa Safety SA		Engineer:	Brian Bishop		
Job No.:	G101118796		Tested By:	Erik Sprague	Date:	6/11/2013 – 6/18/2013
Product:	Safety Faceshields	ł .	Reviewed By:	Brian Bishop <b>bb</b>	Date:	6/19/2013
Model No.:	Rocket Visor	•	Standard:	ANSI/ISEA Z87.1-2010	· .	
Description:	Safety Faceshield with clear lens					
Sample Contr	rol Number: CRT1306100919-001			TRANSCR	IBED TE	ST DATA

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

Section (Test)	Requirement	Results	Compliance
5.4	Marking Requirements:  All protectors shall bear the permanent markings in specified locations as shown in Table 4a of the standard. Markings shall follow the sequence shown in Table 4b of the standard. Marking for lens type and use applications shall be required only when claims for protection against the hazard or indicated use are made by the manufacturer.  In addition, the components of frames that are intended for prescription protector use shall be marked for size in accordance with the system described in ANSI Z80.5-2004. Fronts shall be marked with the A-dimension (eye size) and DBL.	Sample #: 1  Markings on Sample  VICZ87+U6  Meets requirements of Table 4a or 4b: YES	PASS

# Section 6, Impact Protector Requirements (Z87+)

Section (Test)	Requirement		Compliance	
6	Impact Protector Requirements (Z87+)			
6.1	General			
6.1.3	Lateral (side) Coverage:			
(9.10)		Sample #:	2	1
	diameter) from the edge of the lens to a point not less than	Location	Coverage	
		0° Right (random) 10 mm above	YES	
	10 mm (0.394 in.) posterior to the corneal plane and not	90° Right 10mm above	YES	PASS
	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.	90° Left 10mm above	YES	
		0° Left (random) 10mm below	YES	17100
		90° Right 10mm below	YES	
		90° Left 10mm below	YES	

Client:

Vicsa Safety SA

Engineer:

Brian Bishop

Job No.:

G101118796

Tested By:

Erik Sprague

6/11/2013 -

Product:

G101118/90

Reviewed By:

Erik Sprague

Date: 6/18/2013

Model No.:

Safety Faceshields

Sample Control Number: CRT1306100919-001

______

Brian Bishop \$6

6/19/2013

1710001 110..

Rocket Visor

Standard:

ANSI/ISEA Z87.1-2010

Description: Safet

Safety Faceshield with clear lens

TRANSCRIBED TEST DATA

Date:

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

	Speciacie.	Goggie.	racesmeia.	A		Lenses:	FFRES		Removab		_
Style:	Plano: 2	K Rx:	Photochrom	atic:	Tinte	:d:	Clear:	<u> </u>	Non-Rem	ovable: X	X
6.2	Impact Red										
6.2.2	High Mass Impact:										
(9.11)									•		
			be capable of re-	sisting an			Laborator	y Conditions	;		
	impact from	n a pointed proj	ectile.			Req	d: Temp	erature	Humidity		
	A		:1 :6 641 6-	. 11		1 1		18-28 °C	Range		
			il if any of the fo inner surface, fra		ecurs;			82 °F)	35-65 %		
			ace, lens not reta			Actu	al:   7	70	49		
	ponouration	or more rear barr		imou.						¬ PA	QQ
						Samp		• 1	cture,		.OO
		Impactor- P	ointed Projectile	:		9.11:	Locatio	n pen	etration, etc	_	
		-	Required	Actual		(1)	Left		NO		
	Weight, (		500	502		(2)	Left		NO		
	Drop Hei	ght, cm (inch)	127 (50")	.50"		(3)	Right		NO		
						(4)	Right		NO		
										_	
6.2.3	High Veloc	iti. Immaati									
(9.12)		nty impact:									
(2.12)		ete device shall	he canable of res	sisting imn	act	85486436		Ova Bree			
	The complete device shall be capable of resisting impact from a 6.35 mm (0.25 in) diameter steel ball traveling at the velocity specified in Table 5 (see Appendix A). No					Req'		Conditions erature	-lumidity		
						Keq		8-28 °C	Range		
			headform is perr	nitted as a					35-65 %		
	result of the	e impact.				Actua		0	50		
	A1-4-	4	:1 :6 6 41 - 6-	11							
			il if any of the fo nner surface, fra		curs;						
			ace, lens not reta		he	Sample	#: 9.12				
			ded eye observes							,	
	adhering to	the contact pas	te, or observes co			,,	T	T		]	
	the projecti	le or complete o	levice.	-		#	Impact Location	Impact	Contact w/ eye		•
							Location	Velocity (ft/s)	w/ eye		
	1 ***	A DDEBER						<del></del>		4	
	^^Comple	te APPENDI	X A prior to t	esting **	·	(1)	0° Rt. Eye	303.3	NO	PAS	SS
					-	(2)	30° Rt. Eye	300.9	NO		
		Ste	el Ball			(2)	*90° Rt.				
			quired Act	ual	$\dashv$	(3)	Fye	301.2	NO		
	Diameter,			6.35			(above)				
	Weight, g			1.06			(40010)			4	
				-		(4)	0° Lt. Eye	300.7	NO		
								202.0	NIO	1	
						(5)	30° Lt. Eye	302.8	NO		
		Faceshie	elds: 300 ft/s							1 ]	

*90° Lt.

Eye (below)

300.7

*10 mm above or below the plane of the eyes.

NO

Faceshields: 300 ft/s

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Client: Vicsa Safety SA Brian Bishop Engineer: 6/11/2013 -Job No.: G101118796 Tested By: Erik Sprague 6/18/2013 Date: Product: Safety Faceshields Reviewed By: Brian Bishop 46 Date: 6/19/2013 Model No.: Rocket Visor Standard: ANSI/ISEA Z87.1-2010 Description: Safety Faceshield with clear lens

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

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

Sample Control Number: CRT1306100919-001

Needle Penetrator					
	Required	Actual			
Weight, grams	44.2	44.1			
Drop Height, cm (inch)	127 (50")	50"			

Laboratory Conditions:						
Req'd:	Temperature	Humidity				
	Range 18-28 °C	Range				
	(65-82 °F)	35-65 %				
Actual:	70	49				

Sample 9.13:	Impact eye Location	Penetration
(1)	Left	NO
(2)	Left	NO
(3)	Right	NO
(4)	Right	NO

PASS

TRANSCRIBED TEST DATA