Test Report

Report No	3000382	This Report consists of 28 pages
Licence/Certificate No	CE 713350	
Client	Safetix Mid East FZE G1-007 SAIF ZONE Sharjah UAE	
Authority & date	BSI Service Management Order No 3000382 dated 12 June 2019 Equipment Record No (ER No.) See Page 3	
Items tested	Industrial Safety Helmets, white, non-vented. Model: MAXXTRA (Product code YS0MX3W) Samples submitted: See Page 3	
Specification	Type testing to BS EN 397:2012+A1:2012 Industrial Safety Helmets See Introduction and Assessment Summary for details	
Results	See Assessment Summary	
Prepared by	N D Machado	Test Engineer
Authorized by	Mark Mayo	Testing Team Manager
Issue Date	8 August 2019	
Conditions of issue	This Test Report is issued subject to the conditions stated in current issue of EMCP 100 'Conditions of Contract *for* Testing'. The results contained herein apply only to the particular sample/s tested and to the specific tests carried out, as detailed in this Test Report. The issuing of this Test Report does not indicate any measure of Approval, Certification, Supervision, Control or Surveillance by BSI of any product. No extract, abridgement or abstraction from a Test Report may be published or used to advertise a product without the written consent of the Managing Director, BSI Testing Services, who reserves the absolute right to agree or reject all or any of the details of any items or publicity for which consent may be sought.	

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DETAILS OF SUBMITTED SAMPLES

SPECIFICATION:	Type testing to BS EN 397:2012 +A1:2012 Industrial Safety Helmets, (see Introduction below and Assessment Summary for details)					
RELATED SCHEME PROTOCOL:	N/A					
CLIENT:	Safetix Mid – East FZE					
MANUFACTURER:	Safetix Mid – East FZE					
DESCRIPTION:	Industrial helmets, white shell, Non-Vented					
BASE MODEL SERIES:	MAXXTRA (Different shell colour options)					
ALTERNATIVE Product Code:	YS0MX3* (Where * represents shell colour denoted by a letter)					
MODEL VARIANTS:	Shell colours	White	Blue	Green	Yellow	Red
ALTERNATIVE Product Code:		YS0MX3W	YS0MX3B	YS0MX3G	YS0MX3Y	YS0MX3R

DATE STARTED:	12 June 2019
DESIGN DATA:	See Page 5
OPTIONS CLAIMED:	See Page 5
ASSESSMENT SUMMARY:	See Page 6
MARKINGS:	See Page 18-24
PHOTOGRAPHS:	See Page 25-28

INTRODUCTION

Samples, with white shells, were submitted by the Client, for a Type Testing program, for addition of new model to Certification CE 713350, to BS EN 397:2012 + A1:2012

The Assessment Summary of this Report lists those assessments conducted and the reasons for those omitted.

This Report should be read in conjunction with:

a) The Specification referenced above.
b) Client's documentation and correspondences

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ITEMS SUBMITTED FOR TESTING

EQUIPMENT RECORD NO:	**10184048**
DESCRIPTION OF ITEMS:	Industrial Helmets, Non-Vented, White, for type test.
QUANTITY:	Twenty (20)
DATE RECEIVED:	06 March 2019
QUANTITY TESTED:	Thirteen (13)

EQUIPMENT RECORD NO:	**10184970**
DESCRIPTION OF ITEMS:	Further helmets to address the following issues raised during testing: 1. Removal of harness assembly by hand. 2. Claimed options marking.
QUANTITY:	Five (5)
DATE RECEIVED:	15 July 2019
QUANTITY TESTED:	Five (5)

EQUIPMENT RECORD NO:	**10185063**
DESCRIPTION OF ITEMS:	Further helmets to address the following issues raised during testing: 1. To ensure operation of chin strap anchorage devices within applied tensile force range specified. 2. Claimed options markings.
QUANTITY:	Five (5)
DATE RECEIVED:	26 July 2019
QUANTITY TESTED:	Three (3)

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COMMENTS

CLAUSE 4: - PHYSICAL REQUIREMENTS	
1	**Sub-clause 4.1: Materials and construction** Modified samples (ER No.10184970) were submitted on 15 July 2019, were assessed as satisfactory. Client email dated 8 July 2019 refer.
2	**Sub-clause 4.6: Wearing Height** Wearing height is the vertical distance from lower edge of the headband to the highest point on the headform on which the helmet is mounted and is measured in accordance with sub-clauses 3.11, 4.6 and 6.5 at: a) The front (midway between the sides of the headform) b) The sides (midway between the front and back of the headform The parameter which is the greater, would be considered as the wearing height. The wearing height of the submitted samples only complied with the required dimensions, when measured at the side, on both headform sizes.
CLAUSE 5: PERFORMANCE RQUIREMENTS	
3	**Sub-clause 5.1.4 / 6.9: Chin strap anchorages** Samples of helmets (ER No.10185063) were submitted, pre-fitted with chin straps, tested and found to be satisfactory. Client's email dated 24 July 2019 refers.
4	**Sub-clause 5.1.5: Label (Options requirements Label)** **Sub-clause 7.2.2: Claimed optional requirements markings.** Modified samples (ER No.10185063) submitted on 26 July 2019 were found satisfactory Client's email dated 24 July 2019 refers.
CLAUSE 7: - MARKINGS	
5	**Sub-clause 7.2: Additional Information** **Sub-clause 7.2.1: Information to be attached to each helmet.** **Sub-clause 7.2.3: Information to accompany each helmet** Information had not been initially supplied for assessment to requirements of these sub-clauses The Client supplied, electronically, various versions of the user instructions which were assessed and eventually found to be satisfactory. Client's emails dated 8 July 2019, 13 July 2019 and 7 August 2019 refer.

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HELMET DESIGN DATA OF SUBMITTED SAMPLES (1)

COMPONENT	**DESCRIPTION**		
SHELL	Material	Marked HDPE, white, peak (40 mm) with accessory slots:	
	Vented	No	
HARNESS ASSEMBLY Comprising:			
HEADBAND	Material	Plastic, Light blue, (marked LDPE)	
	Attachment	4-point suspension from cradle hangers	
	Wearing hgt. adjust.	Push T type studs on headband via vertical locating slots in cradle radial arms	
	Size adjust.	Push button lock slip ratchet, material PC, nape strap system forming an integral part of the headband	
COMFORT BAND	Material	Beige or black fabric layer on grey foam (3.0mm thick)	
CRADLE	Straps	Attachment	4-point radial star webbing suspension system.
		Material	Plastic, Light blue, (marked LDPE), width 25mm.
		Config.	Terminated with integral moulded hangers suspended from fixing slots in shell wall.
	Strap Terminations	Material	Plastic, Light blue, material not marked.
		Diagonal	Single hangers, front and rear ends of shell.
		Centre	N/A
RETENTION ASSEMBLY Comprising:			
CHIN STRAP Model MAXXTRACS01	Straps	Config.	One piece
		Attachment	2-Point.
		Material	Black & white stripped, fabric webbing, width 19 mm.
	Anchorage(s)	Config.	Strap (both ends): Spring clip hook devices
			Attachment to: Headband via fixing holes.
		Material	Plastic, black, material PA.
	Size adjust.	Config.	Linear locking slider,
		Material	Plastic, black, material PA.
ACCESSORIES	None		

OPTIONS	**Requirements**		**Claimed**
	BS EN 397:2012/A1:2012		
	Very Low Temperature	-20°C	Yes
	Molten Metal	MM	No
	Electrical Properties	440 V. a.c.	No
	Lateral Deformation	LD	No
	Very High Temperature	150°C	No

1. Taken from submitted samples or information supplied by client

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ASSESSMENT SUMMARY

CLAUSE NO AND TITLE		ASSESSMENT	DETAIL LOCATION
4	**PHYSICAL REQUIREMENTS**		
4.1	Materials and construction	Pass (1)	Page 8
4.2	External vertical distance	Pass	Page 8
4.3	Internal vertical distance	Pass	Page 8
4.4	Internal vertical clearance	Pass	Page 8
4.5	Horizontal distance	Pass	Page 9
4.6	Wearing height (2)	Pass	Page 9
4.7	**Harness**		
4.7.1	Headband/nape strap	Pass	Page 10
4.7.2	Cradle (Textile straps only)	N/A (3)	Page 10
4.7.3	Comfort band or sweatband	Pass	Page 10
4.8	Chin strap	Pass	Page 10
4.9	Ventilation	N/A (4)	Page 10
4.10	Accessories	Pass	Page 10

N/A: Not Applicable

(1) See Comment 1, on Page 4, of this Report
(2) See Comment 2, on Page 4, of this Report
(3) Textile Cradle straps are not a design feature on this model
(4) Not a design feature on this variant of model helmet.

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ASSESSMENT SUMMARY (CONTINUED)

CLAUSE NO AND TITLE		ASSESSMENT	DETAIL LOCATION
5	**PERFORMANCE REQUIREMENTS**		
5.1	**Mandatory requirements**		
5.1.1	Shock absorption	Pass	Page 11
5.1.2	Resistance to penetration	Pass	Page 12
5.1.3	Flame resistance	Pass	Page 13
5.1.4	Chin strap anchorage	Pass (1)	Page 13
5.1.5	Label	Pass (2)	Page 13
5.2	**Optional requirements**		
5.2.1	Very low temperature	Pass	-
5.2.2	Very high temperature (+150°C)	N/A (3)	-
5.2.3	Electrical insulation	N/A (3) (4)	-
5.2.4	Lateral deformation	N/A (3)	-
5.2.5	Molten metal splash	N/A (3)	-
7	**MARKING**		
7.1	Marking on the helmet	Pass	Page 14
7.2	**Additional information**		
7.2.1	Labelling	Pass (5)	Page 15
7.2.2	Optional requirement marking/labelling	Pass (5)	Page 16
7.2.3	Accompanying information	Pass (5)	Page 17

N/A: Not Applicable

(1) See comment 3 on Page 4 of this Report
(2) See comment 4 on Page 4 of this Report
(3) Options not claimed
(4) Not applicable to Vented helmets
(5) See comment 5 on Page 4 of this Report

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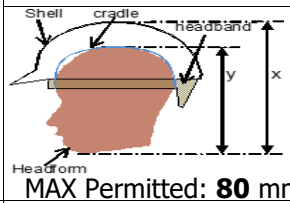
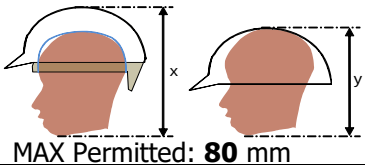
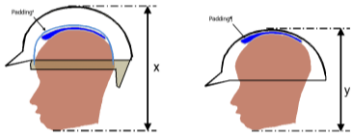
CLAUSE 4: PHYSICAL REQUIREMENTS (1)

CLAUSE	REQUIREMENT				MEASUREMENT	ASSESSMENT
	Size or range					
	Declared (cm)	Marked on shell (cm)	Marked on harness (cm)	Actual (mm)		
	52 - 63	53 -63	53 - 63	525 - 605		
	Headform / helmet orientation indicators (Information only) (3)					
	Test Headform size (mm) (4)	Distance above datum to underside of (mm)				
		Front (Brim / Pk)	Rear (Brim)	Right side (Brim)	Left side (Brim)	
	525 (5)	148	120	163	163	
	585 (5)	142	152	150	150	
4.1	**MATERIALS AND CONSTRUCTION**					
	Shell and harness provided.				Yes	Pass
	Materials used, known to cause skin irritation.				-	N/T (2)
	Sharp edges, Roughness, Projections causing injury.				No	Pass
	Adjustability & Removability of parts without use of tools (i.e by hand)				Yes	Pass (6)
	Adjustment system unknowingly incorrectly adjusted.				No	Pass

CLAUSE	REQUIREMENT	MEASUREMENTS				ASSESSMENT
	DIMENSIONAL MEASUREMENTS					
	Parameters	Test headform size (mm) (4)	Distance (mm)			(3)
			x	y	x-y	
4.2	**External Vertical Distance**					
	 MAX Permitted: **80** mm	525	282	237	45	Pass
		585	295	250	45	Pass
4.3	**Internal Vertical Distance**					
	 MAX Permitted: **80** mm	525	282	250	32	Pass
		585	295	259	36	Pass
4.4	**Internal Vertical Clearance**					
	 MIN Permitted: **25** mm Padding fitted: No (padding left in place if fitted)	525	282	250	32	Pass
		585	295	259	36	Pass

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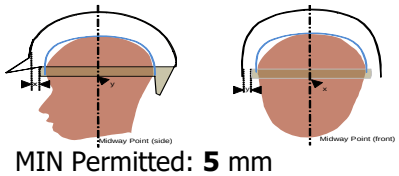
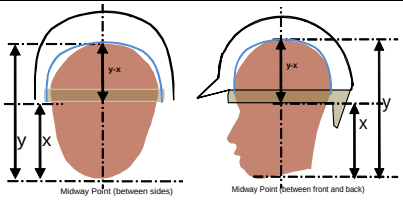
CLAUSE 4: PHYSICAL REQUIREMENT (CONTINUED) (1)

CLAUSE	REQUIREMENT	MEASUREMENTS					ASSESSMENT
	Dimensional Parameters	Test headform size (mm) (4)	Distance (mm) x	y	x-y		(3)
4.5	**Horizontal Distance** (7)						
	 MIN Permitted: **5** mm	525	Front:	> 6			Pass
			Side:	Rt: > 6	Lt: > 6		Pass
		585	Front:	> 6			Pass
			Side:	Rt: > 6	Lt: > 6		Pass
4.6	**Wearing Height** (7)						
		525	Param.	x	y	y-x	Indv	Over all
			Front	172	237	65	Fail	PASS (7)
			Right side	133		104	Pass	
			Left side	133		104	Pass	
		585	Front	165	250	85	Fail	PASS (7)
			Right side	153		97	Pass	
			Left side	152		98	Pass	
	MIN Permitted (mm):							
	Test headform size / W.H							
	525 / 80							
	555 / 565 / 85							
	585 / 90							
	Provision for adjustment							
	Provision shall be made for the wearing height to be adjustable.	Slot in headband and locating pegs on plastic cradle straps provided (4)					Pass	

N/A: Not Applicable

(1) Conducted in accordance with Sub-clause 6.5 methods.
(2) Responsibility of manufacturer not to use materials, which are known to be likely to cause, skin irritation or have any adverse effect on health.
(3) The "normal" wearing position of the helmet, is where the peak, if any, is considered not to obscure the wearer's field of view. This is determined by using a Peripheral Vision Test Rig derived from BS 6658:1985+A2:2005, Fig 2 where a vertical 7° angle of field of view above the reference plane is required.
The headband is adjusted to its highest wearing position within the shell (smallest wearing height of the helmet on the headform) in accordance with sub-clause 6.5.
(4) Smallest and largest (from sizes 525, 555 and 585) within actual size range of helmet.
(5) Sample 12 was used for this assessment.
(6) See Comment 1 on Page 4, of this Report
(7) See Comment 2 on Page 4, of this Report

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CLAUSE 4 PHYSICAL REQUIREMENTS (CONTINUED)

CLAUSE	REQUIREMENT	MEASUREMENT	ASSESSMENT
4.7	**Harness** (Headband and nape strap)		
4.7.1	Headband/nape strap adjustment (5mm max)	4.0 mm	Pass
4.7.2	**Cradle**		
	Attachment points	4	Pass
	Width of tape (15 mm min) (1)	Diagonal = mm Horizontal = mm	N/A (1)
	Total width (72 mm min) (1)	150 mm	N/A (1)
4.7.3	**Comfort band or sweatband**		
	Width (not less than headband covered)	Fully covered	Pass
	Total length: (100 mm min each side of centre)	275 mm	Pass
4.8	**Chin strap**		
	Attachment points	2	Pass
	Width (10 mm min)	19 mm	Pass
4.9	**Ventilation**		
	Total area of holes (150-450 mm^2)	-	N/A (2)
4.10	**Accessories**		
	The helmet shall have provided the required fixing devices, or appropriate holes in the helmet shell, as specified in the information accompanying the helmet, in accordance with clause 7.2.3 (c) requirements.	Accessory slots provided in shell brim	Pass

N/A: Not Applicable

(1) Only required where cradle incorporates textile tapes.
(2) Not a design feature on this variant of helmet model

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CLAUSE 5 PERFORMANCE REQUIREMENTS (CONTINUED)

CLAUSE	REQUIREMENT	RESULT	ASSESSMENT
5.1.1	**Shock Absorption** (1)		
	Using a hemi striker striker, mass 5 kg, dropped from a nominal height of (1000 ±5) mm	See table below	Pass

Sample No.	Shell Colour (2)	Size Nape strap adjustment	Vented Yes/No	Size range Marked (cm) / Actual (mm)	Test headform size (mm)	Pre-conditioning	Trans-mitted Force (Max.5 kN)	Assessment
1	White	Push button lock slip ratchet	No	53 - 62 / 525 - 605	585	+50°C	2.33	Pass
2	White	Push button lock slip ratchet	No	53 - 62 / 525 - 605	585	-10°C	2.77	Pass
3	White	Push button lock slip ratchet	No	53 - 62 / 525 - 605	585	Water immersion	2.38	Pass
4	White	Push button lock slip ratchet	No	53 - 62 / 525 - 605	585	UV	2.45	Pass
5	White	Push button lock slip ratchet	No	53 - 62 / 525 - 605	585	-20°C	2.92	Pass

(1) The helmet was adjusted to the greatest wearing height with in the shell / on the headform. (lowest wearing position of the headband within the shell / on the headform).

(2) Only recorded for plastics helmets.

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CLAUSE 5 PERFORMANCE REQUIREMENTS (CONTINUED)

CLAUSE	REQUIREMENT	RESULT	ASSESSMENT
5.1.2	**Resistance to penetration** (1)		
	Using a conical striker, mass 3.0 kg, dropped from a nominal height of (1000 ±5) mm	See table below	Pass

Sample No.	Shell Colour (2)	Size Nape strap adjustment	Vented Yes/No	Size range Claimed (cm) / Actual (mm)	Test headform size (mm)	Pre-conditioning	Penetration striker-headform contact Yes/No	Assessment
6	White	Push button lock slip ratchet	No	53 - 62 / 525 - 605	585	+50°C	No	Pass
7	White	Push button lock slip ratchet	No	53 - 62 / 525 - 605	585	-10°C	No	Pass
8	White	Push button lock slip ratchet	No	53 - 62 / 525 - 605	585	Water immersion	No	Pass
9	White	Push button lock slip ratchet	No	53 - 62 / 525 - 605	585	UV	No	Pass
10	White	Push button lock slip ratchet	No	53 - 62 / 525 - 605	585	-20°C	No	Pass

(1) The helmet was adjusted to the greatest wearing height with in the shell / on the headform. (lowest wearing position of the headband within the shell / on the headform).

(2) Only recorded for plastics helmets.

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CLAUSE 5 PERFORMANCE REQUIREMENTS (CONTINUED)

CLAUSE	REQUIREMENT	RESULT			ASSESSMENT
5.1.3	**Flame resistance**				
	When tested in accordance with Clause 6.8 methods, the material of the shell shall not burn with the emission of flame after a period of 5s has elapsed after removal of the flame. Afterflame (≤ 5s)	Application Points	Sample No	After-flame (s)	Pass
		Ridges on rear	11	0	Pass
		Ridges sides	11	0	Pass
		Flat surfaces	11	0	Pass
5.1.4	**Chin strap anchorage's**				
	When tested in accordance with Clause 6.9 methods, the artificial jaw shall be released at a force of no less than 150 N and no more than 250 N, due to the failure of the anchorages(s)	Sample No.	Load (N) (150 - 250 N)		Pass (1) (2)
		01B	215.22		Pass
		02B	206.75		Pass
		03B	215.45		Pass
5.1.5	**The Options label**				
	The label which may be attached to the helmet in accordance with Clause 7.2.2 shall remain attached and legible on each sample helmet, following the appropriate conditioning.	Marking engraved			Pass (3)

1. Samples were fitted with a two-point harness retention system.
   For the release of the artificial jaw, the compliance criteria for such a system must occur within the applied load range of 150N to 250N.

2. See Comment 3, on Page 4 of this Report

3. See Comment 4, on Page 4 of this Report

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CLAUSE 7 MARKING

CLAUSE	REQUIREMENT	RESULT		ASSESSMENT
7.1	**Marking on the Helmet**			
	Every helmet claiming to comply with the requirements of this European standard shall carry moulded or impressed marking giving the following information:	English language		(1), (3)
a)	Number of this European Standard.	EN 397:2012		Pass (2)
b)	Name or identification mark of the manufacturer.	Label	-	Pass
		Shell	SAFETIX	
		Harness:	SAFETIX by LEMAITRE	
c)	Year and quarter of Manufacture.	Shell:	12/2018	Pass
		Harness:	Headband: 02/2018	
			Cradle: 12/2018	
d)	Type of helmet (manufacturers' designation). (This shall be marked on both the shell and the harness)	Shell:	MAXXTRA	Pass
		Harness:	MAXXTRA	
e)	Size or size range (in cm). (This shall be marked on both the shell and the harness)	Shell:	53 - 62 CM	Pass
		Harness:	53 - 62 cm	
f)	Abbreviation for the material of the shell in accordance with ISO 472. (i.e. ABS, PC, HDPE, etc)	HDPE		Pass

(1) The information required by this clause was embossed to the inside of the shell.
(2) The complete number of this standard, EN 397:2012+A1:2012, was not marked.
(3) See Markings page of this Report

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CLAUSE 7 MARKING (CONTINUED)

CLAUSE	REQUIREMENT	RESULT	ASSESSMENT
7.2	**Additional Information**		
7.2.1	A label shall be **attached** to each helmet giving the following information, provided precisely and comprehensively in the language of the country of sale:	English language text assessed	Pass (1)
	'For adequate protection this helmet must fit or be adjusted to the size of the users head.'	(2), (3)	Pass (1)
	'The helmet is made to absorb the energy of a blow by partial destruction or damage to the shell and the harness, and even though such damage may not be readily apparent, any helmet subjected to severe impact should be replaced.'	(2), (3)	Pass (1)
	'The attention of users is also drawn to the danger of modifying or removing any of the original component parts of the helmet, other than as recommended by the helmet manufacturer.'	(2), (3)	Pass (1)
	'Helmets should not be adapted for the purpose of fitting attachments in any way not recommended by the helmet manufacturer.'	(2), (3)	Pass (1)
	'Do not apply paint, solvents, adhesives or self-adhesive labels, except in accordance with instructions from the helmet manufacturer.'	(2), (3)	Pass (1)

(1) See Comment 5 on Page 4 of this Report
(2) See Markings pages of this report
(3) The information required by this cause was provided in the form of the user instructions which was slipped under the cradle webbing of submitted samples (ER No. 10185063) and were also submitted electronically.

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CLAUSE 7 MARKING (CONTINUED)

CLAUSE	REQUIREMENT		RESULT		ASSESSMENT
7.2	**Additional Information (Continued)**				
7.2.2	Every helmet shall carry moulded or impressed marking or shall carry a durable self-adhesive label stating the optional requirements complied with, as follows:		See table below		(1)
	Optional requirement		**Claimed**	**Marked**	
	Very low temperature	-20°C	Yes	Yes	Pass (2)
		-40°C	No	No	N/A (3)
	Electrical insulation	440 V a.c.	No	No	N/A (3)
		1000 V a.c.	No	No	N/A (3)
	Lateral deformation	LD	No	No	N/A (3)
	Molten metal splash	MM	No	No	N/A (3)
	Very high temperature	150°C	No	No	N/A (3)

N/A: Not Applicable

(1) See Markings pages of this report
(2) See Comment 4 on Page 4 of this Report
(3) Options not claimed for this model of helmet

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CLAUSE 7 MARKING (CONTINUED)

CLAUSE	REQUIREMENT	RESULT	ASSESSMENT
7.2	**Additional Information (Continued)**		
7.2.3	The following information, provided precisely and comprehensively in the official language(s) of the country of sale, shall **accompany** each helmet:	English language text assessed	Pass (1), (3)
a)	The name and address of the manufacturer.	(2)	Pass (1)
b)	Instructions or recommendations regarding adjustment, fitting, use, cleaning, disinfection, maintenance, servicing and storage. Substances recommended for cleaning, maintenance or disinfection shall have no adverse effect on the helmet and shall not be known to be likely to have any adverse effect upon the wearer, when applied in accordance with the manufacturer's instructions.	(2)	Pass (1)
c)	Details of suitable accessories and appropriate spare parts.	(2)	Pass (1)
d)	The significance of the optional requirements complied with and given in accordance with clause 7.2.2, and guidance regarding the limits of use of the helmet, corresponding to the respective risks.	(2)	Pass (1)
e)	Guidance regarding the obsolescence deadline or period of obsolescence of the helmet and its component parts.	(2)	Pass (1)
f)	Guidance regarding details of the type of packaging suitable for the transportation of the helmet.	(2)	Pass (1)

(1) See Comment 4 on Page 4 of this Report
(2) See Markings pages of this report
(3) The information required by this cause was provided in the form of the user instructions which was slipped under the cradle webbing of submitted samples (ER No. 10185063) and were also submitted electronically.

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CLAUSE 7 MARKING (CONTINUED)

7.1	**Marking on the Helmet – Submitted samples (ER10185063)**

Shell

Harness Assembly

Cradle	Headband	
		 Push button ratchet assembly

Retention Assembly

Anchorage devices	No markings	QRM	None fitted
Through feed slider (Linear)	No markings	Y type sliders	None fitted

BRITISH STANDARDS INSTITUTION
BS EN 397:2012 + A1:2012

CLAUSE 7 MARKING (CONTINUED)

7.2	Additional Information (Continued) – User Instructions (V3)

EN 397:2012 + A1:2012

GB

INDUSTRY SAFETY HELMETS FITMENTS AND ADJUSTMENTS:

For Adequate protection this helmet must fit or be adjusted to the size of the user head. The Helmet consists of main body outer shell with front peak and Inner Harness. The Helmet must be worn keeping peak at the front. To alter the fit, adjust the harness, adjustment devices are provided at the rear of the helmet and ensure comfortable fit is made around the crown of the head.

When not in use or during transportation the helmet should be stored in a container in order to protect from direct sunlight, chemicals, away from abrasive substances and cannot be damaged by physical contact with damaging surfaces/ items.

Details supplied by client 07 August 2019

BRITISH STANDARDS INSTITUTION
BS EN 397:2012 + A1:2012

CLAUSE 7 MARKING (CONTINUED)

7.2	Additional Information (Continued) – User Instructions (V3)(Continued)

USE:

The Helmet is made to absorb the energy of a blow by partial destruction or damage to the shell and the harness, and even though such damage may not be readily apparent, any helmet subjected to severe impact should be replaced.
The users are advised not to modify or remove any original component parts of the helmet other than instructed by the manufacturer.
Helmet should not be adapted for the purpose of fitting attachments in any way not recommended by the helmet manufacturer. Accessories and/or harness, chin strap, ear defender, visors and helmet mounted lamps are available with the fitting instructions from SAFETIX.
Do not apply paints, solvents, adhesives or self-adhesive labels, accept in accordance with the instructions from the manufacturer.

INSPECTION AND CARE OF HELMET:

The Helmet is complete system consists of Shell and Harness.
The life of the helmet in use is affected by many factors, including the cold, heat, chemicals, sunlight and misuse. The helmet should be examined daily for obvious signs of cracking, brittleness or damage to either helmet or harness. The date of manufacture is moulded on the peak of this helmet. While the helmet is free from defects it is suitable for intended purpose. Under normal circumstances the helmet has a max life of 5yrs from the date of manufacture. Under no circumstances must a component other then SAFETIX be used on the helmet. The helmet may be cleaned using light soaps, warm water and dried with soft cloth. Chemicals, abrasive substances or solvents should not be used for cleaning, to be stored away from direct sunlight or solvents.

MARKINGS:

EN 397:2012	The European Standard Number for Safety Helmets and its year of publications.
52-63 cm	The size range of the helmet, head circumference.
-20°C	The Helmet will provide some ltd protection when used in such environment at or above these temperatures.

Details supplied by client 07 August 2019

BRITISH STANDARDS INSTITUTION
BS EN 397:2012 + A1:2012

CLAUSE 7 MARKING (CONTINUED)

7.2	Additional Information (Continued) – User Instructions (V3)(Continued)

SAFETIX (Mid-East) FZE
G1-07 Saif Zone Sharjah (U-A-E)
Website: www.Safetix-securite.com
www.Safetix4u.com

0086

BSI (Product services)
Maylands Avenue, Hemel Hampstead,
Hertfordshire, HP2 4SQ
United Kingdom

Details supplied by client 07 August 2019

BRITISH STANDARDS INSTITUTION
BS EN 397:2012 + A1:2012

CLAUSE 7 MARKING (CONTINUED)

7.2	Additional Information (Continued) – Client Specification sheet

Details supplied by client 21-06-2019

BRITISH STANDARDS INSTITUTION
BS EN 397:2012 + A1:2012

CLAUSE 7 MARKING (CONTINUED)

7.2	Additional Information (Continued) – Client Specification sheet (Continued)

MAXXTRA Safety helmet Features & Benefits:

Shell
– Shell manufactured from HDPE ANSI, CE certified
– Hi-Performance EN397 Safety Helmets
– Excellent shock absorption
– Light in weight & strong
– Universal Slots on both sides for accessory mounting like ear defenders, or welding mask.
– Provision for chin strap fastenings.
– Branding areas on sides or front for Customer.
– Ergonomic and innovative design
– Available in 5 Colours

Webbings & Harness
– 4 WIDE point support for maximum comfort & easy impact absorption.
– Strong 25mm Plastics webbings
– High quality material for highly absorbent sweatband with embedded foam.
– Innovative colours for webbings, harnesses and comfort pads

Adjustment System
– Widely adjustable size, ranging from 52-62 cm
– High-impact Polycarbonate housing for adjustment system.
– Angled headband terminals for a perfect fit.

Additional testing Data
– Withstands temperatures down to -20 °C
– Artificial ageing (durability up to 5 years)
– Accessories/spare parts tests as per OEM
– Manual 3D Adjustment System
– PUSH button operated adjustment making extremely fast adjustment possible in a single operation of hands. As the terminal is pulled it automatically forms a ratchet, instantly self-locking at the required head-size and tightness

Details supplied by client 21-06-2019

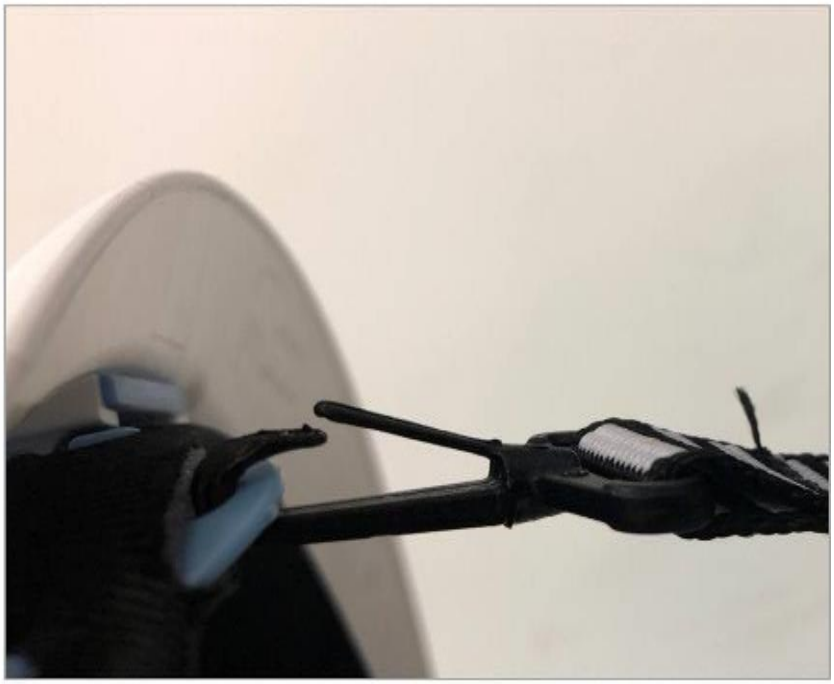
BRITISH STANDARDS INSTITUTION
BS EN 397:2012 + A1:2012

CLAUSE 7 MARKING (CONTINUED)

7.2	Additional Information – Chin strap fitting instructions

Maxxtra Safety Helmet

• Chin Strap Assembly Directions:



1. Press Spring Clip, spring clip direction outside helmet.
2. Insert Hook into the chin strap hole made in the headband.
3. Release Spring Clip.

Details supplied by client 08 July 2019

BRITISH STANDARDS INSTITUTION
BS EN 397:2012 + A1:2012

PHOTOGRAPHS OF SUBMITTED MODEL (CONTINUED)

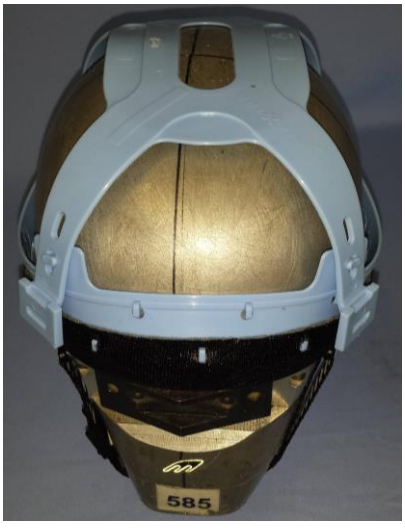
SHELL - EXTERNAL

ER No. 10185063 Date Received: 26-07-2019


SHELL - INTERNAL

ER No. 10185063 Date Received: 26-07-2019



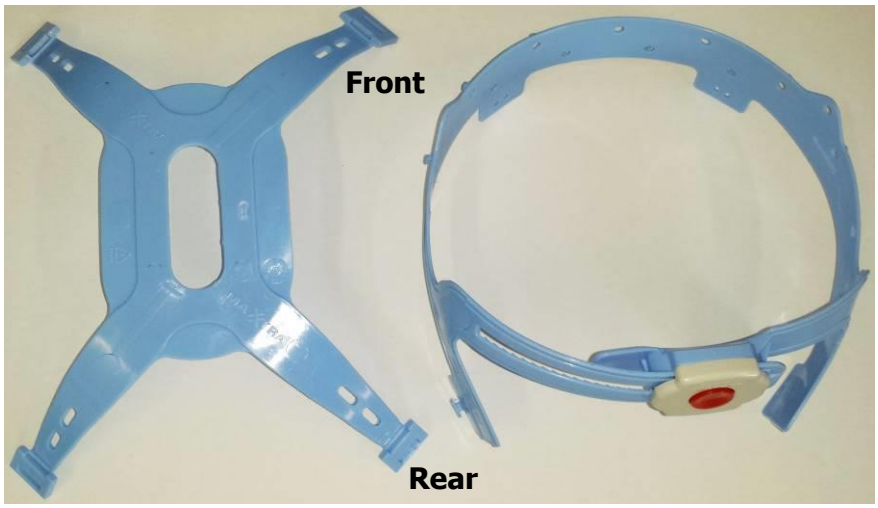


BRITISH STANDARDS INSTITUTION
BS EN 397:2012 + A1:2012

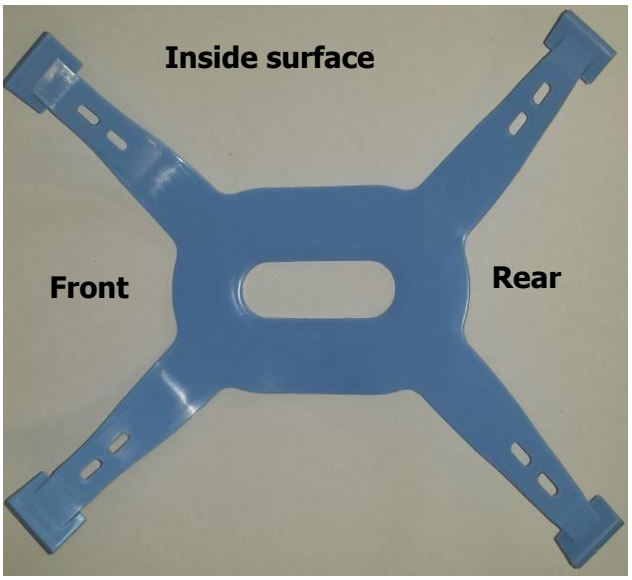
PHOTOGRAPHS OF SUBMITTED MODEL (CONTINUED)

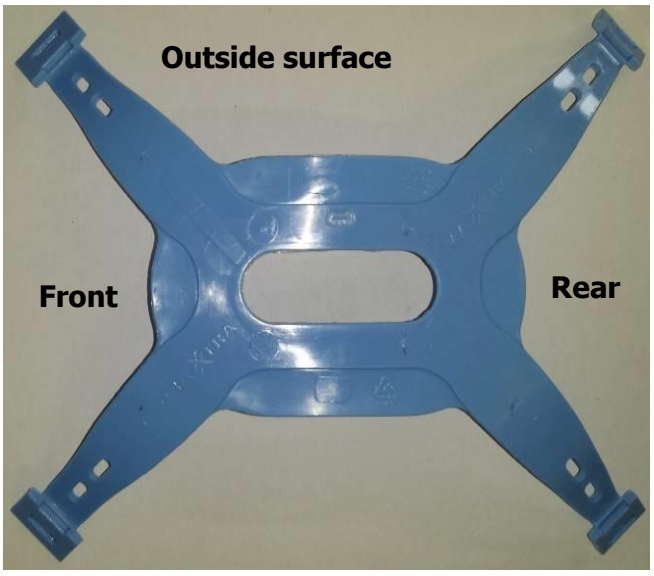
HARNESS ASSEMBLY

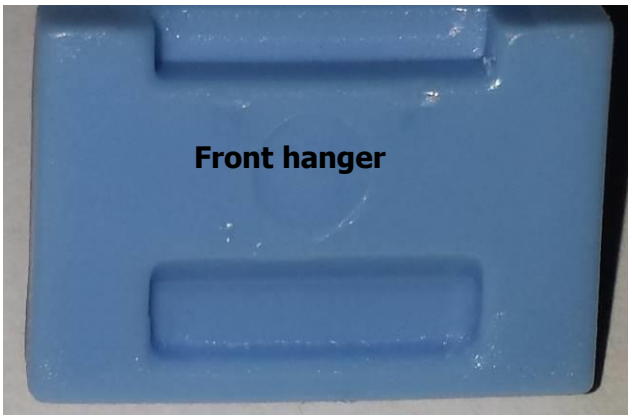
Headband & Cradle

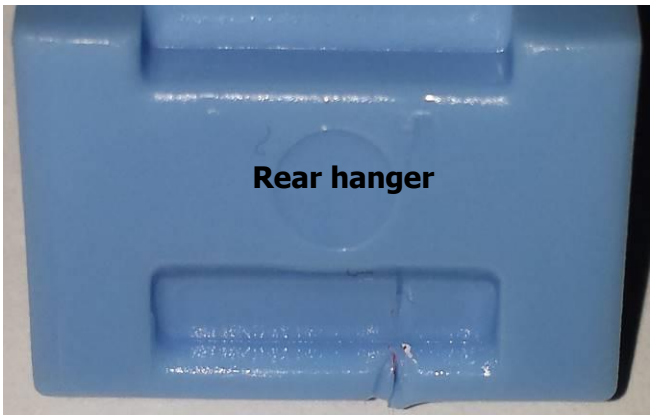


Cradle only (All samples)









BRITISH STANDARDS INSTITUTION
BS EN 397:2012 + A1:2012

PHOTOGRAPHS OF SUBMITTED MODEL (CONTINUED)

HARNESS ASSEMBLY (CONTINUED)

Headband only (ER No. 10184970 and ER No. 10185063)



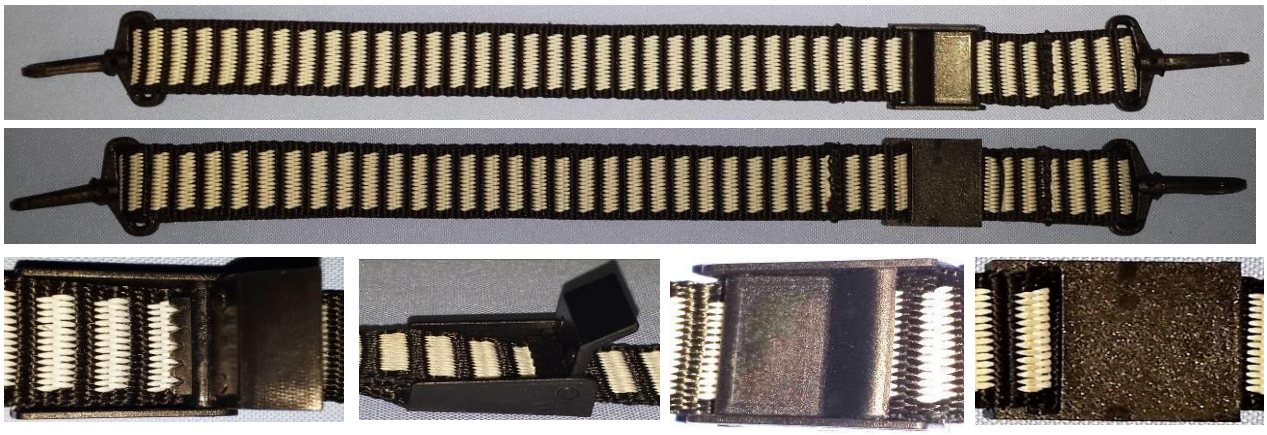




BRITISH STANDARDS INSTITUTION
BS EN 397:2012 + A1:2012

PHOTOGRAPHS OF SUBMITTED MODEL (CONTINUED)

RETENTION ASSEMBLY



Chin strap anchorages ER No. 10185063 received 26-07-2019

END OF REPORT