

Evaluation report No.: IC2088869-1

Holder/ Manufacturer:	PATACHO,S.L. PL-IND. DE TEIXEIRO, CALLE ARANGA, PARCELA D-40-41 , 15310 TEIXEIRO, CURTIS, LA CORUÑA, SPAIN
Internal number / Certified by:	1025/EXC88
Country of origin:	Pakistan
Type:	AST-503 AST-503Y



(RED - with reinforcement)



(RED - without reinforcement)



(YELLOW - with reinforcement)



(YELLOW - without reinforcement)

AST-503

AST-503Y

Sample description:

Welder's gloves with five separate fingers made out of cow split leather with or without reinforcement on palm and around the thumb in a form of a strip. Inside is a full cotton lining, welt on seams, stitched with Kevlar thread.
Available colors (cow split leather): red and yellow.

Type PPE:

Personal protective equipment (PPE) category I
Protective gloves

Requirement:


- harmonized standard **HRN EN 420:2011 (EN 420:2003 + A1:2009)**
- applicable essential health and safety requirements according to REGULATION (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protection equipment and repealing Council Directive 89/686/EEC

Requirement:		Result/Document/Remark	Fulfilling of the requirement / = not requirement + = fulfills - = doesn't fulfill										
4	General requirements												
4.1.	Glove design and construction - General												
	<p>The protective glove shall be designed and manufactured so that in the foreseeable conditions of use for which it is intended, the user can perform the hazard related activity normally whilst enjoying appropriate protection at the highest possible level. If required, the glove shall be designed to minimize the time needed for putting on and taking off. When the glove construction includes seams, the material and strength of the seams shall be such that the overall performance of the glove is not significantly decreased.</p>	Gloves are designed and manufactured so that in intended use user can perform activities while enjoying the highest level protection.	+										
4.2	Resistance of glove materials to water penetration												
	<p>For glove materials where resistance to water penetration is required (according to the intended use of the glove), the appropriate test methods shall be used:</p> <ul style="list-style-type: none"> - for leather gloves: 5.12 of EN 344-1: 1992. The results shall be reported according to Table 1; - alternative test method which is more appropriate to textile materials: EN 20811. The results shall be reported as a pressure in Pascal as required in EN 20811. <p>NOTE 1 There is no known correlation between results obtained through these different test methods. NOTE 2 These tests are not suitable to classify these gloves as waterproof</p> <p>Table 1 - Levels of performance - resistance to water penetration according to 5.12 of EN 344-1 :1992</p> <table border="1" data-bbox="300 1422 754 1637"> <thead> <tr> <th>Level of performance</th> <th>Time of min</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>30</td> </tr> <tr> <td>2</td> <td>60</td> </tr> <tr> <td>3</td> <td>120</td> </tr> <tr> <td>4</td> <td>180</td> </tr> </tbody> </table>	Level of performance	Time of min	1	30	2	60	3	120	4	180	Not requirement.	/
Level of performance	Time of min												
1	30												
2	60												
3	120												
4	180												
4.3	Innocuousness of protective gloves												
4.3.1	General												
	<p>Protective gloves shall be designed and manufactured to provide protection when used according to the manufacturer's instructions, without harm to the user. Glove materials, degradation products, incorporated substances, seams and edges and particularly those parts of the glove in close contact with the user shall not adversely affect the user's health and hygiene. The manufacturer or his authorized representative shall name all the substances contained in the glove which are known to cause allergies (see 7.3.8).</p>	<p>Gloves are designed and manufactured in way to not cause hazards or other harmful factors in the foreseeable conditions of use.</p> <p>Test report No: 17-11-05866 (Euroinspekt Eurotextil d.o.o., Croatia)</p> <ul style="list-style-type: none"> • Azo dyes - not detected 	+										

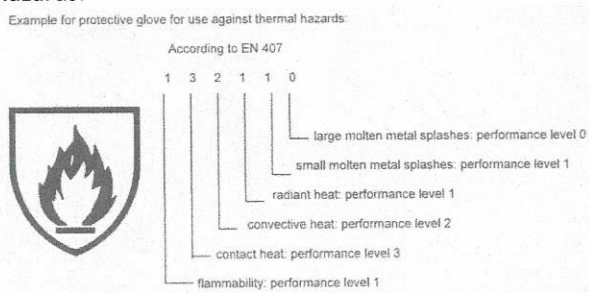


Requirement:	Result/Document/Remark	Fulfilling of the requirement / = not requirement + = fulfills - = doesn't fulfill	
<p>4.3.2</p>	<p>Determination of pH Value</p>		
	<p>The pH value for all gloves shall be greater than 3,5 and less than 9,5. Determination of pH shall be according to EN ISO 4045 for leather gloves, and EN 1413 for other materials. Following amendments shall apply:</p> <ul style="list-style-type: none"> - the test piece shall be cut out from the palm area of the glove. If other parts of the glove are made of different materials, then each material shall be tested separately; - if gloves are made of more than one layer, all layers shall be tested together; - if the sample contains leather, then EN ISO 4045 shall be used; - subclause 8.4 of EN ISO 4045: 1998 does not apply 	<p>Test report No: 17-11-05866 (Euroinspekt Eurotextil d.o.o., Croatia)</p> <ul style="list-style-type: none"> • Cow split leather: red – pH = 4,39 yellow – pH = 4,30 • Lining– pH = 7,24 	<p>+</p>
<p>4.3.3</p>	<p>A₁ - Determination of chromium VI content</p>		
	<p>The quantity of Chromium VI in gloves containing leather shall not exceed 3,0 mg/kg when determined according to the test method described in EN ISO 17075:2007. Depending on the measured Chromium VI content, the test report shall indicate: that</p> <ul style="list-style-type: none"> - the Chromium VI content is not in excess of 3,0 mg/kg, or - that Chromium VI content is in excess of 3,0 mg/kg and the value that has been determined in mg/kg. <p>If the glove includes different types of leather, whether in contact with the skin or not, each leather type shall be tested separately and comply with the above requirement. At least two samples shall be taken from different gloves for each leather type.– A₁</p>	<p>Test report No: 17-11-05866 (Euroinspekt Eurotextil d.o.o., Croatia)</p> <p><u>Cow split leather (red, yellow colour):</u></p> <ul style="list-style-type: none"> • Chromium (VI) – not detected 	<p>+</p>
<p>4.3.4</p>	<p>Determination of extractable protein content</p>		
	<p>Natural rubber gloves shall be submitted to requirements stated in EN 455-3 on extractable protein content.</p> <p>NOTE This method has not yet been validated for gloves other than medical gloves for single use.</p>	<p>Not requirement.</p>	<p>/</p>
<p>4.4</p>	<p>Cleaning</p>		
	<p>All tests required in this standard as well as in the standards for protective gloves shall be performed on unused gloves unless otherwise specified. If care instructions are provided (see 7.3.10), the relevant tests of the specific standards shall be performed on the gloves, before and after they have been subjected to the maximum recommended number of cleaning cycles.</p> <p>The levels of performance shall not be negatively affected throughout the recommended number of cycles.</p>	<p>Not requirement.</p>	<p>/</p>





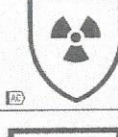

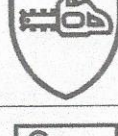
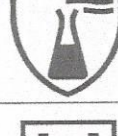

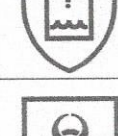
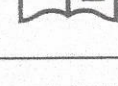
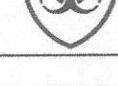




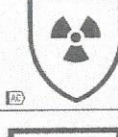

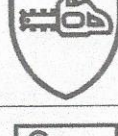
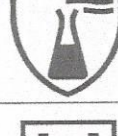

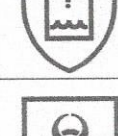
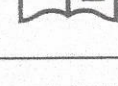
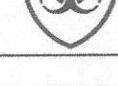




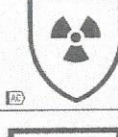

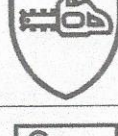
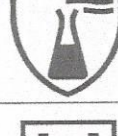

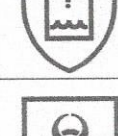
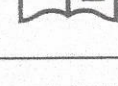
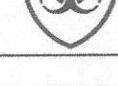
Requirement:	Result/Document/Remark	Fulfilling of the requirement / = not requirement + = fulfills - = doesn't fulfill																								
4.5	Electrostatic properties																									
	<p>If required, the electrostatic properties shall be tested according to the test method described in the relevant standard EN 1149-1 or EN 1149-2 or EN 1149-3. The test result shall be reported in the information supplied by the manufacturer accompanied by the information stated in 7.3.11. Electrostatic pictograms shall not be used for this property.</p> <p>NOTE These tests are designed for garments and have not been validated for gloves. Some interlaboratory trials have shown significant discrepancies in test results for one of the methods. It is thus essential to give comprehensive information about the test parameters used along with any test result</p>	<p>Not requirement.</p> <p>/</p>																								
5	Comfort and efficiency																									
5.1	Sizing																									
5.1.1	Sizes and measurement of hands																									
	<p>Two primary measurements are taken according to 6.1:</p> <ul style="list-style-type: none"> - hand circumference; - hand length (distance between the wrist and the tip of the middle finger). <p>Six sizes of hands are defined in Table 2, according to anthropomorphic surveys conducted in different countries. Half sizes can be derived by interpolation between full sizes. Any smaller and larger sizes can be derived by extrapolation of the data in Tables 2 and 3.</p> <p>Table 2 - Sizes of hands</p> <table border="1" data-bbox="252 1438 858 1854"> <thead> <tr> <th>Hand size^a</th> <th>Hand circumference</th> <th>Hand length</th> </tr> <tr> <td></td> <td>mm</td> <td>mm</td> </tr> </thead> <tbody> <tr> <td>6</td> <td>152</td> <td>160</td> </tr> <tr> <td>7</td> <td>178</td> <td>171</td> </tr> <tr> <td>8</td> <td>203</td> <td>182</td> </tr> <tr> <td>9</td> <td>229</td> <td>192</td> </tr> <tr> <td>10</td> <td>254</td> <td>204</td> </tr> <tr> <td>11</td> <td>279</td> <td>215</td> </tr> </tbody> </table> <p>a This code is a conventional designation of hand size corresponding to the hand circumference expressed in inches</p>	Hand size ^a	Hand circumference	Hand length		mm	mm	6	152	160	7	178	171	8	203	182	9	229	192	10	254	204	11	279	215	<p>Test report No: 17-11-05866 (Euroinspekt Eurotextil d.o.o., Croatia)</p> <p>Measures for size 10:</p> <ul style="list-style-type: none"> • Glove/hand circumference: 270 mm • Glove/hand length: 220 mm <p>+</p>
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Requirement:		Result/Document/Remark	Fulfilling of the requirement / = not requirement + = fulfills - = doesn't fulfill																					
5.1.2	<p>Sizes and measurements of glove</p> <p>Sizes of gloves are defined with respect to the sizes of the hands they are to fit. Six sizes are defined in Table 3. The minimum length of glove for half sizes shall be the one of the next higher full size. Actual measurements of gloves shall be determined by the manufacturer taking into account the behaviour of the glove material and intended use.</p> <p>Table 3 - Sizes of gloves</p> <table border="1" data-bbox="236 712 855 1032"> <thead> <tr> <th>Glove size</th> <th>Fit</th> <th>Minimum length of glove (in accordance with 6.1.3) mm</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>hands size 6</td> <td>220</td> </tr> <tr> <td>7</td> <td>hands size 7</td> <td>230</td> </tr> <tr> <td>8</td> <td>hands size 8</td> <td>240</td> </tr> <tr> <td>9</td> <td>hands size 9</td> <td>250</td> </tr> <tr> <td>10</td> <td>hands size 10</td> <td>260</td> </tr> <tr> <td>11</td> <td>hands size 11</td> <td>270</td> </tr> </tbody> </table> <p>Actual measurements of gloves shall be determined, taking into account the behaviour of the glove material and intended use.</p>	Glove size	Fit	Minimum length of glove (in accordance with 6.1.3) mm	6	hands size 6	220	7	hands size 7	230	8	hands size 8	240	9	hands size 9	250	10	hands size 10	260	11	hands size 11	270	<p>Test report No: 17-11-05866 (Euroinspekt Eurotextil d.o.o., Croatia)</p> <p>Measures for size 10:</p> <ul style="list-style-type: none"> Glove length: 360 mm 	+
Glove size	Fit	Minimum length of glove (in accordance with 6.1.3) mm																						
6	hands size 6	220																						
7	hands size 7	230																						
8	hands size 8	240																						
9	hands size 9	250																						
10	hands size 10	260																						
11	hands size 11	270																						
5.1.3	<p>Gloves for special applications</p> <p>It is possible that the length of gloves designed for special applications may not conform to the values of Table 3. For such gloves, the manufacturer shall demonstrate that they are "fit for special purpose" by clearly stating in the instructions for use (7.3) the intended application(s) and the reason why the gloves do not conform to Table 3.</p>	Not requirement.	/																					
5.2	<p>Dexterity</p> <p>A glove should allow as much dexterity as possible given its purpose. Dexterity is related to numerous factors e. g. thickness of glove material, its elasticity, its deformability. If required, finger dexterity shall be tested according to the test method in 6.2. The performances shall be graded according to Table 4 hereafter.</p> <p>Table 1 - Levels of performance - finger dexterity test</p> <table border="1" data-bbox="240 1738 874 1989"> <thead> <tr> <th>Level of</th> <th>Smallest diameter of pin fulfilling mm</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>11</td> </tr> <tr> <td>2</td> <td>9,5</td> </tr> <tr> <td>3</td> <td>8</td> </tr> <tr> <td>4</td> <td>6,5</td> </tr> <tr> <td>5</td> <td>5</td> </tr> </tbody> </table>	Level of	Smallest diameter of pin fulfilling mm	1	11	2	9,5	3	8	4	6,5	5	5	<p>Test report No: 17-11-05866 (Euroinspekt Eurotextil d.o.o., Croatia)</p> <p>Dexterity: Level 2</p>	+									
Level of	Smallest diameter of pin fulfilling mm																							
1	11																							
2	9,5																							
3	8																							
4	6,5																							
5	5																							

Requirement:		Result/Document/Remark	Fulfilling of the requirement / = not requirement + = fulfills - = doesn't fulfill
7	Marking and information		
7.1	General		
	All information shall be precise and comprehensive, and provided at least in the official language(s) of the country of destination.		
7.2	Marking		
7.2.1	Glove marking		
7.2.1.1	<p>Each protective glove shall be marked with the following information:</p> <ul style="list-style-type: none"> a) Name, trade mark or other means of identification of manufacturer or his authorized representative; b) Glove designation (commercial name or code allowing the user to identify clearly the product within the manufacturer's/authorized representative's range); c) Size designation; d) If relevant, marking according to 7.2.3; e) Where the glove conforms to one or more specific European Standards (see Bibliography), the pictogram (s) appropriate to the standard(s) (see ~ Annex B ^{*)}). Each pictogram shall be accompanied by the reference of the applicable specific standard and performance levels (see 7.3.5), which shall always be in the same fixed sequence as defined in the corresponding standard. 	Gloves have all the information requested.	+
7.2.1.2	The marking shall be affixed so as to be visible, legible and indelible throughout the foreseeable useful life of the glove. Marks or inscriptions which could be confused with the above marks shall not be affixed to the glove.	Marking with all information is printed on the back of the gloves.	+
7.2.1.3	If marking on the glove is not possible in view of the characteristics of the product, the marking shall be affixed to the packaging.		
7.2.1.4	<p>A pictogram shall only be used when the glove meets at least the minimum requirement of the relevant specific standard. It shall be made clear that complementary information must also be read, by adding an i standing for information along with the series of pictograms (see information pictogram in Annex B).</p> <p>NOTE The marking on the glove including pictograms is not sufficient in itself to convey comprehensive information about protection to the end-user. Therefore it should be considered only along with the information supplied by the manufacturer described in 7.3.</p>	<p>Pictogram for mechanical hazards according to EN 388:2016 and EN 407:2004 with all required level numbers according to EN 12477:2001/A1:2005</p> <p>A pictogram that stands for information</p> 	+

Requirement:		Result/Document/Remark	Fulfilling of the requirement / = not requirement + = fulfills - = doesn't fulfill
7.2.2	Marking of packaging		
	Each packaging enclosure that immediately contains the gloves shall be clearly marked with the following: a) The information required in 7.3.1; b) The information required in 7.2.1.1 b), c) and d); c) Reference to where the information required in 7.3 may be obtained; d) Where the glove is of simple design intended to protect the wearer against only those hazards listed in annex A, the words "For minimal risks only" or an equivalent expression shall be printed at least in the official language (s) of the country of destination; e) Where the glove conforms to a specific European Standard, the pictogram(s) appropriate to this standard. Each pictogram shall be accompanied by the performance levels, which shall always be in the same fixed sequence as defined in the relevant specific standard, and the reference of the applicable European standard. The pictograms appropriate to that standard are depicted in Annex B – A ₁ . f) Where applicable, information required in 7.3.6.	Packiging contains all requests.	+
7.2.3	Date of obsolescence		
	If the protective performances of the glove can be significantly affected by ageing, i. e. one or more performance levels are reduced within a year after glove production and before use, a date of obsolescence shall be indicated on gloves and packaging.	Not requirement. Use the gloves till first sign of damage.	/
7.3	Information supplied by the manufacturer		
	Gloves placed on the market must have the following minimum information that must be available on request:	Informations and instructions are attached to technical documentation of manufacturer.	
7.3.1	Name and full address of manufacturer or his authorized representative.	TECHNICAL DOCUMENTATION Protective gloves for welders Type: AST-503, AST-503Y	+
7.3.2	Glove designation as per 7.2.1.1 b).	TECHNICAL DOCUMENTATION Protective gloves for welders Type: AST-503, AST-503Y	+
7.3.3	Information on the available size range and where applicable, information required in 4.2, 5.1.3 and 5.2.	TECHNICAL DOCUMENTATION Protective gloves for welders Type: AST-503, AST-503Y	+
7.3.4	Reference to the relevant specific European standard(s).	TECHNICAL DOCUMENTATION Protective gloves for welders Type: AST-503, AST-503Y	+

Requirement:		Result/Document/Remark	Fulfilling of the requirement / = not requirement + = fulfills - = doesn't fulfill
<p>7.3.5</p>	<p>Where applicable as per 7.2.2 e) pictogram(s) indicating categories of hazard followed as applicable by the performance levels.</p> <p>0 : indicates that the glove falls below the minimum performance level for the given individual hazard. X : indicates that the glove has not been submitted to the test or the test method appears not to be suitable for the glove design or material.</p> <p>Furthermore, a basic explanation shall be given to assist comprehension of the relevant performance levels, and the standard(s) to which they refer shall be indicated. Example for protective glove for use against thermal hazards:</p> <p>Example for protective glove for use against thermal hazards:</p>  <p>Performance level numbers shall be in the same order as given within the relevant specific standard (here EN 407). They may be positioned anywhere next to the pictogram provided that they are in clear relation with it.</p>	<p>The hazards of which the gloves protect are listed with the appropriate pictogram for hazards during welding, thermal and mechanical work with following numbers of levels according to EN 12477:2001/A1:2005</p>  <p>EN 388:2016 4 2 4 4 X</p>  <p>EN 407:2004 4 1 3 X 4 X</p>	<p>+</p>
<p>7.3.6</p>	<p>When protection is limited to part of the hand only, this shall be mentioned.</p>	<p>Not requirement.</p>	<p>/</p>
<p>7.3.7</p>	<p>If appropriate, warnings against problems likely to be encountered shall be mentioned. As an example, for high tear resistance gloves, a warning shall be given not to use the gloves next to moving machinery.</p>	<p>Warning given in instruction for use.</p>	<p>+</p>
<p>7.3.8</p>	<p>A list of the substances contained in the glove which are known to cause allergies. A list of substances contained in the gloves or a list of raw materials shall be available upon request.</p>	<p>Not requirement.</p>	<p>/</p>
<p>7.3.9</p>	<p>Instructions for use, and where relevant combination with other forms of PPE.</p>	<p>Instructions given in instruction for use.</p>	<p>+</p>
<p>7.3.10</p>	<p>If relevant, care instructions including: storage instructions; - care symbols according to EN 23758 or - explanations and an acceptable number of cleaning cycles.</p>	<p>Not requirement.</p>	<p>/</p>
<p>7.3.11</p>	<p>If relevant, test results according to 4.5 along with reference of corresponding standard, atmosphere for testing, area of the glove tested and test method/electrode used and voltage applied as per the relevant standard. Moreover, a written warning shall be provided to advise that all clothing and shoes worn with this type of glove must also be designed taking the electrostatic risk into account.</p>	<p>Not requirement.</p>	<p>/</p>

Requirement:		Result/Document/Remark	Fulfilling of the requirement / = not requirement + = fulfills - = doesn't fulfill																													
7.3.12	Reference to accessories and spare parts, if relevant.	Not requirement.	/																													
7.3.13	The type of packaging suitable for transport, if necessary.	Information given in instruction for use.	/																													
ANNEX B	<p>Annex B (normative)</p> <p>Pictograms</p> <p>Table B.1 — Pictograms</p> <table border="1" data-bbox="320 645 1158 1554"> <thead> <tr> <th>Pictogram</th> <th>Meaning (e. g. category of hazard)</th> <th>Pictogram</th> <th>Meaning (e. g. category of hazard)</th> </tr> </thead> <tbody> <tr> <td></td> <td>mechanical hazards</td> <td></td> <td>cold hazard</td> </tr> <tr> <td></td> <td>impact cut</td> <td></td> <td>heat and flame</td> </tr> <tr> <td></td> <td>ionizing radiations</td> <td></td> <td>radioactive contamination</td> </tr> <tr> <td></td> <td>hand held chain saws</td> <td></td> <td>chemical hazards (complying to requirements in 5.2.1 and 5.3.2 of EN 374-1:2003)</td> </tr> <tr> <td></td> <td>heat and fire hazards for fire-fighters</td> <td></td> <td>chemical hazards (complying to requirements in 5.2.1 of EN 374-1:2003)</td> </tr> <tr> <td></td> <td>information</td> <td></td> <td>micro-organism hazards</td> </tr> </tbody> </table>			Pictogram	Meaning (e. g. category of hazard)	Pictogram	Meaning (e. g. category of hazard)		mechanical hazards		cold hazard		impact cut		heat and flame		ionizing radiations		radioactive contamination		hand held chain saws		chemical hazards (complying to requirements in 5.2.1 and 5.3.2 of EN 374-1:2003)		heat and fire hazards for fire-fighters		chemical hazards (complying to requirements in 5.2.1 of EN 374-1:2003)		information		micro-organism hazards	
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Documentation used for conformity assessment:

- Test report No.: 17-11-05866, issued by Euroinspekt Eurotextil d.o.o., Croatia
- Technical documentation of manufacturer: TECHNICAL DOCUMENTATION Protective gloves for welders – Type: AST-503, AST-503Y

RESULTS OF CONFORMITY ASSESSMENT:

The implemented procedure of conformity assessment examined type PPE which is representative of the intended production (production type) found to comply with the requirements of harmonized standards **HRN EN 420:2011 (EN 420:2003 + A1:2009)** and the applicable essential health and safety requirements of Regulation (EU) 2016/425 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686 / EEC.

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Approved by:


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