



<b>Prüfbericht - Nr.:</b> 21128304 002		<b>Seite 1 von 23</b> Page 1 of 23
<i>Test Report No.:</i>		
<b>Auftraggeber:</b> <i>Client:</i>	Weldas Europe B.V. De Poort 77, 4411 PB Rilland, Netherland	
<b>Gegenstand der Prüfung:</b> <i>Test item:</i>	Protective gloves against mechanical risks	
<b>Bezeichnung:</b> <i>Identification:</i>	Art. 10-2806, 10-2207, 10-2209 10-2250, 10-2700, 10-2064, 10-2336	<b>Serien-Nr.:</b> 1027544 <i>Serial No.:</i>
<b>Wareneingangs-Nr.:</b> <i>Receipt No.:</i>	744-700380/02	<b>Eingangsdatum:</b> 15.02.2007 <i>Date of receipt:</i>
<b>Prüfart:</b> <i>Testing location:</i>	TRPS / Prüfstelle für Produktsicherheit Leipzig Maximilianallee 4, 04129 Leipzig, Fon/Fax: +49 341 60 56 06-0 / -5	
<b>Prüfgrundlage:</b> <i>Test specification:</i>	DIN EN 388:2003, DIN EN 420:2003	
<b>Prüfresultat:</b> <i>Test Result:</i>	Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n). The test item passed the test specification(s).	
<b>Prüflaboratorium:</b> <i>Testing Laboratory:</i>	TRPS / Prüfstelle für Produktsicherheit Leipzig	
<b>geprüft/ tested by:</b>	<b>kontrolliert/ reviewed by:</b>	
13.03.2007	Albrecht/Expert	
13.03.2007	Knappe/General Manager Leipzig	
<i>Datum</i> Date	<i>Name/Stellung</i> Name/Position	<i>Unterschrift</i> Signature
<i>Datum</i> Date	<i>Name/Stellung</i> Name/Position	<i>Unterschrift</i> Signature
<b>Sonstiges/ Other Aspects:</b>		
Re-testing of certified articles (Test report M 9814274 E01, 744-800515, dtd. 15.02.1999)		
10-2806	performance levels	3 2 4 4
10-2207		3 1 4 2
10-2209		3 1 4 3
10-2250		2 1 2 2
10-2700		2 1 2 2
10-2064		3 1 3 1
10-2336		2 1 1 1
<b>Abkürzungen:</b>	<i>P(ass)</i> = entspricht Prüfgrundlage <i>F(ail)</i> = entspricht nicht Prüfgrundlage <i>N/A</i> = nicht anwendbar <i>N/T</i> = nicht getestet	<b>Abbreviations:</b> <i>P(ass)</i> = passed <i>F(ail)</i> = failed <i>N/A</i> = not applicable <i>N/T</i> = not tested
<b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b> <i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i>		

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## Used measuring instruments

Measuring	Device-Number Inventory-Number Serial-Number	next Calibration
Chromium VI content, Azo dye stuff		accredited test laboratory
Sizing	744 00 161	05/2008
Dexteritiy	744 00 197	05/2008

Test results of accredited laboratories of competent subcontractor are marked with /\*.

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### Art. 10-2700 Steersotuff

material:

palm cow grain leather with reinforcement split side  
 back cow grain leather  
 lining without  
 cuff cow grain leather



Parameter	according to EN 388	Requirement	Test result	Remark													
				P	F	N/A	N/T										
<b>Glove design and construction</b> <b>General</b>	clause 4 EN 420, 4.1	- in foreseeable conditions of use, protection at highest possible level - minimal time for put on/take off - overall not significantly decreased by seams	given			P											
<b>Resistance to water penetration</b>	clause 4 EN 420, 4.2	if required, leather: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>level</th> <th>penetration time [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> textil:	level	penetration time [min]	1	30	2	60	3	120	4	180	-			N/A	
level	penetration time [min]																
1	30																
2	60																
3	120																
4	180																
<b>Innocuousness of protective gloves</b> <b>General</b>	clause 4 EN 420, 4.3.1	- protection at use without harm to user - all substances contained which are known to cause allergies are named	/* AZ 24742 Azo dye stuff  grain leather yellow < 30 mg/kg			P											
<b>Determination of pH-value</b>	clause 4 EN 420, 4.3.2	>3,5 and < 9,5	given (see M 9814274 E01)			P											
<b>Determination of chromium (VI) content</b>	clause 4 EN 420, 4.3.3	under detection limit 3mg/kg	/* AZ 27238 grain leather yellow < 3 mg/kg			P											
<b>Determination of extractable protein content</b>	clause 4 EN 420, 4.3.4	natural rubber: Lowry- test method: under detection limit	-			N/A											
<b>Cleaning</b>	clause 4 EN 420, 4.4	no negative influence of performance levels after cleaning	no cleaning information			N/A											
<b>Electrostatic properties</b>	clause 4 EN 420, 4.5	if required,	-			N/A											

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### Art. 10-2700

Parameter	according to EN 388	Requirement	Test result		Remark																		
			Size	Length [mm]	P	F	N/A	N/T															
<b>Comfort and efficiency Sizing</b>	clause 4 EN 420, 5.1.2	- sizes are defined <table border="1"> <thead> <tr> <th>glove size</th> <th>minimum length [mm]</th> </tr> </thead> <tbody> <tr><td>6</td><td>220</td></tr> <tr><td>7</td><td>230</td></tr> <tr><td>8</td><td>240</td></tr> <tr><td>9</td><td>250</td></tr> <tr><td>10</td><td>260</td></tr> <tr><td>11</td><td>270</td></tr> </tbody> </table>	glove size	minimum length [mm]	6	220	7	230	8	240	9	250	10	260	11	270	Size	Length [mm]					P
glove size	minimum length [mm]																						
6	220																						
7	230																						
8	240																						
9	250																						
10	260																						
11	270																						
<b>Special applications</b>	clause 4 EN 420, 5.1.3	fit for special purpose (clearly stated in instruction for use)	-						N/A														
<b>Dexterity</b>	clause 4 EN 420, 5.2	- as much dexterity as possible - if required, <table border="1"> <thead> <tr> <th>performance level</th> <th>smallest diameter of pin</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>	performance level	smallest diameter of pin	1	11	2	9,5	3	8	4	6,5	5	5	pin: 5mm						P  perf. level 5		
performance level	smallest diameter of pin																						
1	11																						
2	9,5																						
3	8																						
4	6,5																						
5	5																						
<b>Water vapour transmission Water vapour absorption</b>	clause 4 EN 420, 5.3	- protective gloves shall allow water vapour transmission. - if required, leather : WVT: $\geq 5 \text{ mg/ (cm}^2\cdot\text{h)}$ . - where protection level inhibits or excludes water vapour transmission, effect of perspiration is reduced - if required, leather: WVA: $\geq 8 \text{ mg/cm}^2$ for 8 h	/* 21128304/01  WVT	15,1 mg/cm <sup>2</sup> h					P  WVA 12,0 mg/cm <sup>2</sup>														
<b>Abrasion resistance</b>	clause 6.1	performance level <table border="1"> <thead> <tr> <th>performance level</th> <th>abrasion (cycles)</th> </tr> </thead> <tbody> <tr><td>1</td><td>100</td></tr> <tr><td>2</td><td>500</td></tr> <tr><td>3</td><td>2000</td></tr> <tr><td>4</td><td>8000</td></tr> </tbody> </table>	performance level	abrasion (cycles)	1	100	2	500	3	2000	4	8000	/* 21128304/01 breakthrough between 500 and 2000 cycles  lowest value for classification: > 500					P  perf. level 2					
performance level	abrasion (cycles)																						
1	100																						
2	500																						
3	2000																						
4	8000																						
<b>Blade cut resistance</b>	clause 6.2	performance level <table border="1"> <thead> <tr> <th>performance level</th> <th>blade cut resist. (index)</th> </tr> </thead> <tbody> <tr><td>1</td><td>1,2</td></tr> <tr><td>2</td><td>2,5</td></tr> <tr><td>3</td><td>5,0</td></tr> <tr><td>4</td><td>10,0</td></tr> <tr><td>5</td><td>20,0</td></tr> </tbody> </table>	performance level	blade cut resist. (index)	1	1,2	2	2,5	3	5,0	4	10,0	5	20,0	/* 21128304/01 index i: 1,6 1,7 1,4 1,6 1,5 1,8 1,7 1,9 2,0 2,0 index I: 1,6 1,8  lowest Index I for classification: 1,6					P  perf. level 1			
performance level	blade cut resist. (index)																						
1	1,2																						
2	2,5																						
3	5,0																						
4	10,0																						
5	20,0																						

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### Art. 10-2700

Parameter	according to EN 388	Requirement	Test result	Remark			
				P	F	N/A	N/T
<b>Tear resistance</b>	clause 6.3	performance level	Tear [N]	/* 21128304/01 several values 87    57    47    70  lowest value for classification: 47			
		1					
		2	25	perf.level 2			
		3	50				
		4	75				
<b>Puncture resistance</b>	clause 6.4	performance level	puncture [N]	/* 21128304/01 several values 126    108 91    93  lowest value for classification: 91			
		1					
		2	60	perf.level 2			
		3	100				
		4	150				
<b>Marking</b>	clause 6	<ul style="list-style-type: none"> <li>- name, trade mark or other means of identification of the manufacturer</li> <li>- article identification</li> <li>- size</li> <li>- if required, best use before</li> <li>- EN 388:2003, EN 420:2003</li> <li>- figures:</li> </ul> <p>Gloves with protection against mechanical risks:</p>  	<p>given</p> <p>given</p> <p>given</p> <p>given</p> <p>given</p> <p>performance levels: 2 1 2 2</p>	P			
<b>Information of the manufacturer</b>	clause 7	<ul style="list-style-type: none"> <li>- name, trade mark or other means of identification of the manufacturer</li> <li>- glove type , name or code for identification</li> <li>- size</li> <li>- if the expected shelf-life of the gloves is reduced by aging, the expiration date have to be added</li> <li>- the pictograms</li> <li>- if protection is only given, for part of gloves, information have to be added</li> <li>- possible problems</li> <li>- instruction for use for gloves and also for use with combination of other PPE</li> <li>- care label</li> </ul>	given	P			