



Prüfbericht - Nr.: 21128304 002		Seite 1 von 23 Page 1 of 23
<i>Test Report No.:</i>		
Auftraggeber: <i>Client:</i>	Weldas Europe B.V. De Poort 77, 4411 PB Rilland, Netherland	
Gegenstand der Prüfung: <i>Test item:</i>	Protective gloves against mechanical risks	
Bezeichnung: <i>Identification:</i>	Art. 10-2806, 10-2207, 10-2209 10-2250, 10-2700, 10-2064, 10-2336	Serien-Nr.: 1027544 <i>Serial No.:</i>
Wareneingangs-Nr.: <i>Receipt No.:</i>	744-700380/02	Eingangsdatum: 15.02.2007 <i>Date of receipt:</i>
Prüfört: <i>Testing location:</i>	TRPS / Prüfstelle für Produktsicherheit Leipzig Maximilianallee 4, 04129 Leipzig, Fon/Fax: +49 341 60 56 06-0 / -5	
Prüfgrundlage: <i>Test specification:</i>	DIN EN 388:2003, DIN EN 420:2003	
Prüfergebnis: <i>Test Result:</i>	Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n). The test item passed the test specification(s).	
Prüflaboratorium: <i>Testing Laboratory:</i>	TRPS / Prüfstelle für Produktsicherheit Leipzig	
geprüft/ tested by:	kontrolliert/ reviewed by:	
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
Sonstiges/ Other Aspects:		
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
Abkürzungen:	<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	Abbreviations: <i>P(ass)</i> = passed <i>F(ail)</i> = failed <i>N/A</i> = not applicable <i>N/T</i> = not tested
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. <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>		

Prüfbericht - Nr.: 21128304 002
Test Report No.: 744-700380/02

Seite 2 von 23
Page 2 of 23

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 /*.

Prüfbericht - Nr.: 21128304 002
Test Report No.: 744-700380/02

Seite 21 von 23
 Page 21 of 23

Art. 10-2336 Softouch driver glove

material:

palm cow grain leather
 back cow split leather
 lining without
 cuff cow split leather



Parameter	according to EN 388	Requirement	Test result	Remark													
				P	F	N/A	N/T										
Glove design and construction General	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											
Resistance to water penetration	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																
Innocuousness of protective gloves General	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	given			P											
Determination of pH-value	clause 4 EN 420, 4.3.2	>3,5 and < 9,5	given (see M 9814274 E01)			P											
Determination of chromium (VI) content	clause 4 EN 420, 4.3.3	under detection limit 3mg/kg	/* AZ 24742 split leather < 3 mg/kg /* AZ 27238 grain leather palm < 3mg/kg			P											
Determination of extractable protein content	clause 4 EN 420, 4.3.4	natural rubber: Lowry- test method: under detection limit	-			N/A											
Cleaning	clause 4 EN 420, 4.4	no negative influence of performance levels after cleaning	no cleaning information			N/A											
Electrostatic properties	clause 4 EN 420, 4.5	if required,	-			N/A											

Prüfbericht - Nr.: 21128304 002
 Test Report No.: 744-700380/02

Seite 22 von 23
 Page 22 of 23



Art. 10-2336

Parameter	according to EN 388	Requirement	Test result		Remark																		
			Size	Length [mm]	P	F	N/A	N/T															
Comfort and efficiency Sizing	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	M/8	250					P
glove size	minimum length [mm]																						
6	220																						
7	230																						
8	240																						
9	250																						
10	260																						
11	270																						
Special applications	clause 4 EN 420, 5.1.3	fit for special purpose (clearly stated in instruction for use)	-						N/A														
Dexterity	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																						
Water vapour transmission Water vapour absorption	clause 4 EN 420, 5.3	- protective gloves shall allow water vapour transmission. - if required, leather : WVT: $\geq 5 \text{ mg/ (cm}^2\text{h)}$. - 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	50,2 mg/cm ² h					P														
Abrasion resistance	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																						
Blade cut resistance	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: 1,5 1,3 1,6 1,3 1,6 1,3 1,4 1,3 1,4 1,2 index I: 1,5 1,3 lowest Index I for classification: 1,3					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																						

Prüfbericht - Nr.: 21128304 002
Test Report No.: 744-700380/02

Seite 23 von 23
 Page 23 of 23

Art. 10-2336

Parameter	according to EN 388	Requirement	Test result	Remark			
				P	F	N/A	N/T
Tear resistance	clause 6.3	performance level	/* 21128304/01 several values 14 21 lowest value for classification: 14	P			
		Tear [N]					
		1	10				
		2	25				
		3	50				
		4	75				
Puncture resistance	clause 6.4	performance level	/* 21128304/01 several values 41 38 lowest value for classification: 38	P			
		puncture [N]					
		1	20				
		2	60				
		3	100				
		4	150				
Marking	clause 6	<ul style="list-style-type: none"> - name, trade mark or other means of identification of the manufacturer - article identification - size - if required, best use before - EN 388:2003, EN 420:2003 - figures: <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 1 1</p>	P			
Information of the manufacturer	clause 7	<ul style="list-style-type: none"> - name, trade mark or other means of identification of the manufacturer - glove type , name or code for identification - size - if the expected shelf-life of the gloves is reduced by aging, the expiration date have to be added - the pictograms - if protection is only given, for part of gloves, information have to be added - possible problems - instruction for use for gloves and also for use with combination of other PPE - care label 	given	P			