



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>
Prüfart: <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). <i>The test item passed the test specification(s).</i>	
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>		

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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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Test results

Protective gloves against mechanical risks according to EN 388

Art. 10-2806 Double Palm

material:

palm cow split leather, double
 back woven fabric with leather reinforcement
 lining cotton palm
 cuff canvas



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;"> <tr> <th>level</th> <th>penetration time [min]</th> </tr> <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> </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	/* AZ 24742 Azo dye stuff split leather green < 30 mg/kg fabric (cuff/back) < 30 mg/kg				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 3 mg/kg	/* AZ 27238 split leather grey < 3 mg/kg split leather green < 3 mg/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										

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Art. 10-2806

Parameter	according to EN 388	Requirement	Test result		Remark				
					P	F	N/A	N/T	
Comfort and efficiency Sizing	clause 4 EN 420, 5.1.2	- sizes are defined <u>glove size</u> <u>minimum length [mm]</u> 6 220 7 230 8 240 9 250 10 260 11 270	Size	Length [mm]					P
			L/9	250 mm					
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, performance level smallest diameter of pin 1 11 2 9,5 3 8 4 6,5 5 5	pin: 5mm						P perf. level 5
Water vapour transmission Water vapour absorption	clause 4 EN 420, 5.3	- protective gloves shall allow water vapour transmission. - if required, leather : WVT: $\geq 5 \text{ mg/ (cm}^2\cdot\text{h)}$. - 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 6,7 mg/cm ² h WVA 14,8 mg/cm ²						P
Abrasion resistance	clause 6.1	performance level abrasion (cycles) 1 100 2 500 3 2000 4 8000	/* 21128304/01 breakthrough between 2000 and 8000 cycles lowest value for classification: > 2000						P perf. level 3
Blade cut resistance	clause 6.2	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: 3,2 2,6 3,7 2,7 3,3 2,5 2,3 2,5 3,0 2,5 index I: 3,1 2,5 lowest Index I for classification: 2,5						P perf. level 2

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Art. 10-2806

Parameter	according to EN 388	Requirement	Test result			Remark					
			P	F	N/A	N/T	P	F	N/A	N/T	
Tear resistance	clause 6.3	performance level	Tear [N]			/* 21128304/01 several values 75 138 128 lowest value for classification: 75			P perf.level 4		
		1	10	2	25						
Puncture resistance	clause 6.4	performance level	puncture [N]			/* 21128304/01 several values 247 219 223 213 lowest value for classification: 213			P perf.level 4		
		1	20	2	60						
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>  	given given given - given given performance levels: 3 2 4 4			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					