



## **INTERTEK TEST REPORT**

**3933 US ROUTE 11**

**CORTLAND, NEW YORK 13045**

**Order No. G102775181**

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**Date: December 1, 2016**

**REPORT NO.: 102775181CRT-001a**

**RENDERED TO:**

**ERGODYNE  
ST. PAUL, MN 55108**

**STANDARDS USED:**

ASTM F2992 *Standard Test Method for Measuring Cut Resistance of Materials Used in Protective Clothing with Tomodynamometer (TDM-100) Test equipment; 2015 Edition*

**AUTHORIZATION:**

The tests were authorized by Quote Number Qu-00732095, signed by Andy Olson.

**SPECIMEN DESCRIPTION:**

The tests were performed on specimens identified by the client as described below. The samples previously described, were received in pristine condition on 10/27/2016 and evaluated between 11/09/2016 and 11/17/16. The testing was performed Intertek located in Leigh, UK.

**CONCLUSION:**

The samples submitted by Ergodyne were evaluated in accordance ASTM F2992 *Standard Test Method for Measuring Cut Resistance of Materials Used in Protective Clothing with Tomodynamometer (TDM-100) Test equipment; 2015 Edition*. Test data sheets are attached as an appendix (2 pages following).

Report Prepared by:



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Performance Group

Report Approved by:



Rob Simmonds  
Engineer  
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**Note :** This report is a subset of the original report 102775181CRT-001

**APPENDIX**  
**ASTM F2992-2015**  
**BLADE CUT RESISTANCE**

**PRODUCT DESCRIPTION :** 1 Model Glove: 814CR

0991 CUT RESISTANCE ASTM F2992 / F2992M 2015																																																																		
SAMPLE	Results	ANSI / ISEA 105 2016 CUT LEVEL																																																																
Sample 1: 814CR	Sharpness Correction 1.03	A6																																																																
	Reference Distance 20.00 mm																																																																	
	Rating Force 3791.55 gf																																																																	
	95% Confidence Interval 961.97 gf																																																																	
	Standard Deviation 445.28 gf																																																																	
	R-Squared 0.26																																																																	
	Correction Factor 1.03																																																																	
<b>Blade Supplier:</b> AccuTEC Blades <b>Lot Number:</b> 384397-2016 <b>Blade Validation:</b> Passed <b>Instrument Manufacturer:</b> SATRA Technologies <b>Instrument Model Number:</b> STM 610 Cut Resistance Evaluator <u>Detailed Results</u>  Samples were conditioned and tested in an atmosphere of 23 ± 2°C and 50 ± 5% RH, and prepared at an angle of 45° to the machine direction of the material.  Blade Sharpness Correction Cut Distance Before = 19.6 mm Blade Sharpness Correction Cut Distance After = 19.3 mm  <u>Initial test Sequence</u> <table><tr><th></th><th>Actual Force gf</th><th>Stroke Length (mm)</th><th>Normalised SL (mm)</th></tr><tr><td>1</td><td>3150.92</td><td>43.80</td><td>45.04</td></tr><tr><td>2</td><td>3373.22</td><td>49.50</td><td>50.90</td></tr><tr><td>3</td><td>3697.49</td><td>26.30</td><td>27.04</td></tr><tr><td>4</td><td>3797.42</td><td>34.30</td><td>35.27</td></tr><tr><td>5</td><td>3797.42</td><td>19.80</td><td>20.36</td></tr><tr><td>6</td><td>3697.49</td><td>19.90</td><td>20.46</td></tr><tr><td>7</td><td>3597.56</td><td>31.00</td><td>31.88</td></tr><tr><td>8</td><td>3649.56</td><td>32.60</td><td>33.52</td></tr><tr><td>9</td><td>3649.56</td><td>24.60</td><td>25.30</td></tr><tr><td>10</td><td>3919.79</td><td>21.10</td><td>21.70</td></tr><tr><td>11</td><td>4021.76</td><td>35.80</td><td>36.81</td></tr><tr><td>12</td><td>3919.79</td><td>7.30</td><td>7.51</td></tr><tr><td>13</td><td>3919.79</td><td>5.20</td><td>5.35</td></tr><tr><td>14</td><td>3495.59</td><td>12.70</td><td>13.06</td></tr><tr><td>15</td><td>3373.22</td><td>34.60</td><td>35.58</td></tr></table>				Actual Force gf	Stroke Length (mm)	Normalised SL (mm)	1	3150.92	43.80	45.04	2	3373.22	49.50	50.90	3	3697.49	26.30	27.04	4	3797.42	34.30	35.27	5	3797.42	19.80	20.36	6	3697.49	19.90	20.46	7	3597.56	31.00	31.88	8	3649.56	32.60	33.52	9	3649.56	24.60	25.30	10	3919.79	21.10	21.70	11	4021.76	35.80	36.81	12	3919.79	7.30	7.51	13	3919.79	5.20	5.35	14	3495.59	12.70	13.06	15	3373.22	34.60	35.58
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