



# INTERTEK TEST REPORT

3933 US ROUTE 11

CORTLAND, NEW YORK 13045

**Order No.** G102514374

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**Date:** June 28, 2016

**REPORT NO.:** 102514374CRT-003

**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-00704128, signed by Andy Olson.

**SPECIMEN DESCRIPTION:**

The tests were performed on specimens identified by the client as: 1 Model Glove: 925CR. The samples previously described, were received in pristine condition on 06/17/2016 and evaluated on 06/24/2016. The testing was performed Intertek located in Leigh, UK.

**CONCLUSION:**

The samples submitted by Ergoyne 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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**APPENDIX  
ASTM F2992-2015  
BLADE CUT RESISTANCE**

**PRODUCT DESCRIPTION :** 1 Model Glove: 925CR

**TEST REPORT**

BLADE CUT RESISTANCE ASTM F2992 / F2992M 2015				
SAMPLE	Results			ANSI / ISEA 105 2016 CUT LEVEL
925CR	Sharpness Correction	0.67		Level A3
	Reference Distance	20.00	mm	
	Rating Force	1407.08	gf	
	95% Confidence Interval	208.78	gf	
	Standard Deviation	96.64	gf	
	R-Squared	0.72		
	Correction Factor	0.14		
	Blade Supplier: AccuTEC Blades Lot Number: 384397-2016 Blade Validation: Passed Instrument Manufacturer: SATRA Technologies Instrument Model Number: 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 = 28.1mm Blade Sharpness Correction Cut Distance After = 31.2mm  <u>Initial test Sequence</u>				
	Actual Force (gf)	Stroke Length (mm)	Normalised SL (mm)	
1	1596.9	14.60	9.85	
2	1271.6	46.40	31.30	
3	1394.0	31.80	21.45	
4	1474.5	37.20	25.09	
5	1474.5	32.60	21.99	
6	1394.0	42.20	28.47	
7	1323.6	32.40	21.85	
8	1323.6	38.30	25.83	
9	1323.6	33.90	22.87	
10	1394.0	17.10	11.53	
11	1474.5	24.40	16.46	
12	1526.5	27.60	18.62	
13	1695.8	8.70	5.87	
14	1695.8	14.50	9.78	
15	1695.8	6.40	4.32	

**ASTM F2992-2015  
BLADE CUT RESISTANCE**

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