



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-001b

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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Note : This report is a subset of the original report 102775181CRT-001

APPENDIX
ASTM F2992-2015
BLADE CUT RESISTANCE

PRODUCT DESCRIPTION : 1 Model Glove: 812CR (Azco Red Finger)

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CUT RESISTANCE
ASTM F2992 / F2992M 2015

SAMPLE	Results	ANSI / ISEA 105 2016 CUT LEVEL
812CR (Azco Red finger)	Sharpness Correction0.99	A6
	Reference Distance20.00mm	
	Rating Force3161.73gf	
	95% Confidence Interval1063.49gf	
	Standard Deviation492.27gf	
	R-Squared0.42	
	Correction Factor0.49	

Blade Supplier: AccuTEC Blades
Lot Number: 384397-2016
Blade Validation: Passed
Instrument Manufacturer: SATRA Technologies
Instrument Model Number: STM 610 Cut Resistance Evaluator

Detailed Results

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 = 19.30 mm
Blade Sharpness Correction Cut Distance After = 21.30 mm

Initial test Sequence

	Actual Force (gf)	Stroke Length (mm)	Normalised SL (mm)
1	3150.92	27.60	27.19
2	3094.84	33.60	33.10
3	2972.47	10.10	9.95
4	2872.54	20.00	19.70
5	2648.20	33.70	33.20
6	2648.20	42.70	42.07
7	2604.36	21.40	21.08
8	2872.54	44.10	43.45
9	3094.84	45.70	45.02
10	3373.22	15.20	14.98
11	3373.22	21.20	20.89
12	3373.22	29.00	28.57
13	3597.56	5.30	5.22
14	3797.42	11.90	11.72
15	3797.42	7.10	7.00

**ASTM F2992-2015
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